

MINUTES OF

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION

DECEMBER 5, 1980

The regular quarter-annual meeting of the State Board of Technical Registration was held at Arizona State University, Room G-145, College of Engineering, Tempe, Arizona, on Friday, December 5, 1980. The meeting was called to order by Chairman Wayne O. Earley at 9:55 a.m.

PRESENT: Wayne O. Earley, Chairman
Charles E. O'Bannon, Vice-Chairman
Jimmie R. Nunn, Secretary
Silas C. Brown, Member
Hector C. Durand, Member
Patricia J. Finley, Member
Rod J. Gomez, Member
William S. Gookin, Member
John B. Riggs, Member

Gary L. Sheets, Attorney, Attorney General's Office
F. Mark Edson, Executive Director
Particia Wood, Administrative Secretary

Those present constituted a quorum.

Chairman Earley asked the guests in attendance to please introduce themselves and state their relationship with the Technical Registration Board, introductions were as follows:

Mr. Bill Sawyer, Executive Director
Arizona Society of Professional Engineers

Mr. Jeff Andrews, representing Arizona Professional
Land Surveyors'

Mr. Chuck Melching, representing Arizona Professional
Land Surveyors'

Mr. Phil Borgo, Professor of Engineering, Arizona
State University, who was interested in Arizona
Professional Land Surveyors'

Joe Divato, Arizona Department of Transportation, who
is the Senior Research Engineer in the research laboratory
on campus at ASU, attending meeting as an observer.

Chairman Earley welcomed the guests to the meeting and introduced the members of the Board to the visitors. Chairman Earley also introduced Gary Sheets, who was representing the Office of the Attorney General in the absence of Evelyn Epstein.

- C. Dr. O'Bannon welcomed Joe Divato and expressed the appreciation of the Board for the efforts his staff was doing in the field of research on campus.

The meeting was recessed for a short reception hosted by Dr. Hill of the Department of Civil Engineering with faculty and students.

1. Meeting reconvened at 10:10 a.m.

A. READING OF MINUTES

MOTION: It was moved by Mr. Nunn and seconded by Mr. Riggs that the minutes of the September 5, 1980, regular meeting of the Board be approved as presented and mailed. Motion carried.

B. It was moved by Dr. O'Bannon and seconded by Mr. Durand that the minutes of the Special Meeting of September 26, 1980, be approved as presented. The motion was withdrawn.

MOTION: It was moved by Mr. Nunn and seconded by Dr. O'Bannon that the minutes of the Special Meeting of September 26, 1980 be referred to the Executive Director for further clarification of certain items indicated on Page 21 of the agenda and that these minutes be presented for approval by the Board at a later time. Motion carried.

C. MOTION: It was moved by Mr. Gomez that the minutes of the Special Meeting of November 21, 1980, Section 2E be amended to increase registration fees effective September 30, 1981. This motion was seconded by Mr. Durand. Dr. O'Bannon spoke against the motion to amend the minutes; but on advise of counsel, withdrew his objection. Motion carried.

MOTION: It was moved by Mr. Durand and seconded by Mr. Riggs that the minutes of the Special Meeting of November 21, 1980, be approved as amended. Motion carried.

2. REPORT OF THE RULES AND BY-LAWS COMMITTEE:

Chairman Earley called for a motion to set a date for a public hearing on all proposed rule changes. It was the advise of counsel that all rule changes be presented to the Attorney General's office for review at one time with the reason given that it was more expeditious, effective, and represented a cost savings to present a total rule change package to the Attorney General's Office.

Mr. Edson reviewed the proposed rule changes with the Board, outlining the effect the rule change which would eliminate the procedure of personal audience and also the rule change that would initiate a 60-day cutoff date on applications for professional exams. Mr. Sheets suggested that the rule could include the allowance for extension in the case of personal hardship at the discretion of the Board Refer to Minute Book Page 04675

Mr. Sheets suggested that the Rules and By-Laws Committee draft the basic rules with informal approval from the Attorney General's office. This would then indicate a public hearing would be in order in the spring. It was Mr. Sheets' suggestion that an outline of the

proposed rule changes be made and circulated to all Board Members and to the Attorney General's Office. Mr. Sheets suggested a special meeting of the Rules and By-Laws Committee be held the first of January which would include Ms. Finley and Ms. Epstein and discussion held at that time as to the rule changes to be addressed.

It was the suggestion of the Chairman of the Rules and By-Laws Committee, Mr. Nunn, that input from the various societies on proposed rule changes before a public hearing is held.

Mr. Sheets suggested the Rules and By-Laws Committee draft the proposed rule changes, submit them to the Attorney General's office for comments, which would take approximately 60 days in view of the fact that rule changes go through a review process within the Attorney General's Office where it is reviewed by several attorneys, and after that time the public as well as the societies be given an opportunity for suggestions. In this way, Mr. Sheets stated, the rules that go on the books are truly lawful rules that involve thousands of dollars; and for this reason, it was his recommendation that all rule changes be proposed at one time.

- A. MOTION: It was moved by Mr. Nunn and seconded by Dr. O'Bannon that Thursday, February 5, 1981, be set for public hearing of proposed rule changes. Ms. Finley suggested the Board set January 23, 1981, as the date the Board reviews the entire package of rules and by-law changes proposed by the Rules Committee. Dr. O'Bannon withdrew his second to the motion and moved as follows:

MOTION: It was moved by Dr. O'Bannon and seconded by Ms. Finley that the date of January 23, 1981, be set for the Board to review all proposed rule changes proposed by the Rules and By-laws Committee and at that time a date for public hearing on these rule changes be set. Motion carried.

- B. Chairman Earley appointed Mr. Gomez to head a committee to study a code of professional conduct for registrants and make recommendations to the Rules and By-laws Committee. Mr. Gomez accepted the appointment and requested Messrs. Riggs and Durand serve as members of this Committee. Messrs. Riggs and Durand accepted the appointment.
- C. Other business - none

3. A. REPORT OF THE LEGISLATIVE COMMITTEE

Mr. Gomez, Chairman of the Legislative Committee, indicated it was the wish of his committee to present each item proposed for revision by the Legislative Committee to the Board in order to get more direction, that the full committee was not prepared to make recommendations at this time.

3. A. (Continued)

At this time it was suggested by Chairman Earley that there were several visitors in attendance who would like to address the Board on various matters brought before the Legislative Committee. Chairman Earley then called on Mr. John Harlow, Jr., representing the Landscape Contractors' Association to address the Board. Mr. Harlow's comments are as follows:

- 1) My name is John Harlow, Jr. I live at 10405 North Gila, Tucson, AZ.

Mr. Chairman and Members of the Board of Technical Registration:

Thank you for giving me time to speak to you. The name of my company is Harlow and Company, Inc. We are in the retail nursery business, landscape contracting, irrigation contracting, horticultural consultation and maintenance, landscape design and consultation, and landscape architecture. We have been in business in Tucson for 40 years.

A great many people will be impacted by the action you take to resolve this unfortunate circumstance of finding that a law passed over 10 years ago, and intended to be a title act, was passed as a title and practice act. I have made a conservative estimate that in the Tucson-Green Valley area there are 54 landscape companies, 22 retail nursery companies, plus the students, presently perform landscape design by nonregistrants. These companies employ over 1,000 persons on a part-time or full-time basis. And a conservative estimate of their combined business is \$15 to \$20 million annually. I do not mean to indicate that all of this business is a result of designing. In late 1967 or early 1968, I was attending a regular meeting of the Arizona Nurserymen's Association, which also included the Landscape Contractors. On the program that evening was an individual representing the point-of-view of those who wanted to register Landscape Architects. I heard this person ask for our support, and I heard this person say that this legislation would require registration only if you wanted to call yourself a Landscape Architect.

At a Special Meeting of the Committee on Ways and Means of the 28th Legislature, held on February 20, 1968, the minutes clearly indicate that this bill was not meant to restrict nonregistrants from performing landscape design and other services. Mr. Farley of the Ways and Means Committee asked if this bill would eliminate the gardner, and he also asked if an individual would be forced to hire a Landscape Architect. Mr. Haas, representing those in favor of the bill responded that this would not be the case; that you would not be required to hire a Landscape Architect.

It is clear that no one intended this law to restrict the practice of landscape design only to register Landscape Architects. The restriction was only meant to the use of the title Landscape Architect.

Thank you.

to Chairman Earley
Mr. Edson, the Executive Director, indicated/he had posed this same question to the Attorney General's Office, was there an exemption provided because of the intent of the Legislature and the Attorney General replied they cannot interpret the intent of the Legislature, they interpret the wording of the law. So the defect is with the Legislature in their wording of the law and the only solution is to amend the statutes. And that is the purpose of the Landscape Contractors' Assoc.'s letter to the Board and also the Landscape Architect's letter to the Board in proposing amendments to the law that would help to clear up this situation.

Jim

Chairman Earley then called on Mr./Wheat to address the Board. Mr. Wheat is a practicing Landscape Architect. Mr. Wheat presented a letter he had prepared for review by the Board, copies of which were distributed to Board members.

Chairman Earley expressed the Board's appreciation to Mr. Harlow and Mr. Wheat for their attendance and presentation. Chairman Earley expressed the concern of the Board on the gravity of the situation with respect to this industry.

- 2) Chairman Earley then called on Dick Lambert to address the Board. Excerpts of Mr. Lambert's address are as follows:

My name is Dick Lambert. I am the Executive Director of the Arizona Landscape Contractor's Association.

We believe, as Mr. Earley has stated, that Landscape Architects deserve to be registered here in the State of Arizona, and we also agree that the Legislature and the people responsible back in 1968 for passing this law to register Landscape Architects, and that is for any projects that deal with public monies or public lands for several reasons---Landscape Architects should be retained to prepare those plans. Largely that entails quite large projects. If you look at the work that the ASLA people do around the state---probably less than 50 that deal with large projects in that area. There are large projects that they deal with, and we feel that registered Landscape Architects should do the work.

Another area, in dealing with the public, that we support the Landscape Architect registration is if you wanted to hire a Landscape Architect that you would, because of that law, be able to do that and know what his background is---at least establish/certain level of proficiency. The area

that we are concerned about and that Jim and John have addressed here this morning is simply that the way the law reads right now, if you were to enforce it, it would take not only a Board this size but it would take a Board 20 times this size and it would still be unwieldy, simply because we've got about 300 licensed contractors in the state, about 85 percent of whom, in measuring our association, do design work. What the Legislature did in preparing that law and exemptions we're proposing here is that a situation has been created which is unenforceable and we feel is unadvisable as well....

B. Chairman Earley then called on Jeff Andrews to address the Board. Excerpts of Mr. Andrews' remarks are as follows:

1) My name is Jeff Andrews. I am a licensed Land Surveyor. I am a member of Arizona Professional Land Surveyors.

I would like to take this opportunity now that I am here to explain to what we are proposing. The main item that we would like to see changed under the present statute is on Page 2 (copies of the proposed act as amended have been distributed earlier to members of the Board.) Item 7. The purpose here is to make a separation between the practice of Land Surveying and the practice of Engineering... We feel for the protection of the public it is necessary to make the distinction between Land Surveyors and Civil Engineers. The other changes are basically what we consider to be "house cleaning" changes and changes that are also going to be beneficial to the public. On Page 4, we wanted to clarify the definition of what a Land Surveyor is... We have also inserted a "Land Surveyor-In-Training" category, which is consistent with all of the professions under the Technical Act.... On Page 5, line 17 we have reiterated again our feeling of the separation between Civil Engineering and Land Surveying... We feel this is a key concept within the changes.

The other provision that we had to consider very strongly is on Page 5, Section 3 under Current Registrants, paragraph A, B, C, and D. This basically is the grandfathering concept. And is an attempt at a transition to allow those Civil Engineers who now practice Land Surveying ...and we feel that these individuals should be licensed as Land Surveyors...

(Copy of proposed legislation is attached and forms part of these minutes.)

Draft (Third Revision)
Folder #43
December 3, 1980

REFERENCE TITLE: land surveyors

State of Arizona
Senate
Thirty-fifth Legislature
First Regular Session
1981

S.B. _____

Introduced by _____

AN ACT

RELATING TO PROFESSIONS AND OCCUPATIONS; PRESCRIBING DEFINITIONS OF LAND SURVEYOR, LAND SURVEYOR-IN-TRAINING AND PRACTICE OF LAND SURVEYING; PRESCRIBING QUALIFICATIONS OF APPLICANTS; PRESCRIBING CONDITIONS FOR ENGINEERS TO REGISTER AS LAND SURVEYORS, AND AMENDING SECTIONS 32-101 AND 32-122, ARIZONA REVISED STATUTES.

- 1 Be it enacted by the Legislature of the State of Arizona:
- 2 Section 1. Section 32-101, Arizona Revised Statutes, is amended to
- 3 read:
- 4 32-101. Purpose; definitions
- 5 A. The purpose of this chapter is to provide for the safety, health
- 6 and welfare of the public through the promulgation and enforcement of
- 7 standards of qualification for those individuals licensed and seeking
- 8 licenses pursuant to this chapter.
- 9 B. In this chapter, unless the context otherwise requires:
- 10 1. "Architect" means a person who, by reason of his knowledge of the
- 11 mathematical and physical sciences, and the principles of architecture and
- 12 architectural engineering acquired by professional education and practical
- 13 experience, is qualified to engage in the practice of architecture as
- 14 attested by his registration as an architect.
- 15 2. "Architect-in-training" means a candidate for registration as a
- 16 professional architect who is a graduate of a school approved by the board
- 17 as of satisfactory standing or who has experience as outlined in the
- 18 current standards of the national council of architectural registration
- 19 boards in architectural work of a character satisfactory to the board. In
- 20 addition, the candidate shall have successfully passed the examination in
- 21 the basic architectural subjects. Upon completion of the requisite years

1 of training and experience in the field of architecture under the
2 supervision of a professional architect satisfactory to the board, the
3 architect-in-training shall be eligible for the second stage of the
4 prescribed examination for registration as a professional architect.

5 3. "Architectural practice" means any service or creative work
6 requiring architectural education, training and experience, and the
7 application of the mathematical and physical sciences and the principles
8 of architecture and architectural engineering to such professional
9 services or creative work as consultation, evaluation, design and review
10 of construction for conformance with contract documents and design, in
11 connection with any building, planning or site development. A person shall
12 be deemed to practice or offer to practice architecture who in any manner
13 represents himself to be an architect, or holds himself out as able to
14 perform any architectural service or other services recognized by
15 educational authorities as architecture.

16 4. "Assayer" means a person who analyzes metals, ores, minerals,—
17 or alloys in order to ascertain the quantity of gold or silver or any other
18 substance present in them.

19 5. "Board" means the state board of technical registration.

20 6. "Engineer" means a professional engineer who, by reason of
21 special knowledge of the mathematical and physical sciences and the
22 principles and methods of engineering analysis and design, acquired by
23 professional education and practical experience, is qualified to practice
24 engineering as attested by his registration as a professional engineer.

25 7. "Engineering practice" means any professional service or
26 creative work requiring engineering education, training and experience and
27 the application of special knowledge of the mathematical, physical and
28 engineering sciences to such professional services or creative work as
29 consultation, research investigation, evaluation, planning, surveying,
30 design, location, development,— and review of construction for conformance
31 with contract documents and design, in connection with any public or
32 private utility, structure, building, machine, equipment, process, work or
33 project. Such services and work include plans and designs relating to the
34 location, development, mining and treatment of ore and other minerals. A
35 person shall be deemed to be practicing or offering to practice engineering
36 if he practices any branch of the profession of engineering, or by verbal
37 claim, sign, advertisement, letterhead, card or any other manner
38 represents himself to be a professional engineer, or holds himself out as
39 able to perform or does perform any engineering service or other service or
40 recognized by educational authorities as engineering. A person employed
41 on a full-time basis as an engineer by an employer engaged in the business
42 of developing, mining and treating ores and other minerals shall not be
43 deemed to be practicing engineering for the purposes of this chapter if he
44 engages in the practice of engineering exclusively for and as an employee
45 of such employer and does not hold himself out and is not held out as
46 available to perform any engineering services for persons other than his
47 employer. THE PRACTICE OF ENGINEERING SHALL NOT INCLUDE THE PRACTICE OF
48 LAND SURVEYING AS DEFINED IN THIS ACT.

49 8. "Engineer-in-training" means a candidate for registration as a
50 professional engineer who is a graduate in an approved engineering

1 curriculum of four years or more of a school approved by the board as of
2 satisfactory standing, or who has had four years or more of experience in
3 engineering work of a character satisfactory to the board, and, in
4 addition, has successfully passed the examination in the basic engineering
5 subjects, and who, upon completion of the requisite years of training and
6 experience in engineering under the supervision of a professional engineer
7 satisfactory to the board, is eligible for the second stage of the
8 prescribed examination for registration as a professional engineer.

9 9. "Geological practice" means any professional service or work
10 requiring geological education, training, and experience, and the
11 application of special knowledge of the earth sciences to such
12 professional services as consultation, evaluation of mining properties,
13 petroleum properties, and ~~ground-water~~ GROUNDWATER resources,
14 professional supervision of exploration for mineral natural resources
15 including metallic and nonmetallic ores, petroleum, and ~~ground-water~~
16 GROUNDWATER, and the geological phases of engineering investigations.

17 10. "Geologist" means a person, not of necessity an engineer, who by
18 reason of his special knowledge of the earth sciences and the principles
19 and methods of search for and appraisal of mineral or other natural
20 resources acquired by professional education and practical experience is
21 qualified to practice geology as attested by his registration as a
22 professional geologist. A person employed on a full-time basis as a
23 geologist by an employer engaged in the business of developing, mining or
24 treating ores and other minerals shall not be deemed to be engaged in
25 "geological practice" for the purposes of this chapter if he engages in
26 geological practice exclusively for and as an employee of such employer and
27 does not hold himself out and is not held out as available to perform any
28 geological services for persons other than his employer.

29 11. "Geologist-in-training" means a candidate for registration as a
30 professional geologist who is a graduate of a school approved by the board
31 as of satisfactory standing or who has had four years or more of experience
32 in geological work of a character satisfactory to the board. In addition,
33 the candidate shall have successfully passed the examination in the basic
34 geology subjects. Upon completion of the requisite years of training and
35 experience in the field of geology under the supervision of a professional
36 geologist satisfactory to the board, the geologist-in-training shall be
37 eligible for the second stage of the prescribed examination for
38 registration as a professional geologist.

39 12. "Landscape architect" means a person who, by reason of his
40 professional education, practical experience, or both, is qualified to
41 engage in the practice of landscape architecture as attested by his
42 registration as a landscape architect.

43 13. "Landscape architect-in-training" means a candidate for
44 registration as a professional landscape architect who is a graduate of a
45 school approved by the board as of satisfactory standing or who has had
46 four years or more of experience in landscape architectural work of a
47 character satisfactory to the board. In addition, the candidate shall have
48 successfully passed the examination in the basic landscape architectural

1 subjects. Upon completion of the requisite years of training and
 2 experience in the field of landscape architecture under the supervision of
 3 a professional landscape architect satisfactory to the board, the
 4 landscape architect-in-training shall be eligible for the second stage of
 5 the prescribed examination for registration as a professional landscape
 6 architect.

7 14. "Landscape architectural practice" means the performance of
 8 professional services such as consultations, investigation,
 9 reconnaissance, research, planning, design, or responsible supervision in
 10 connection with the development of land and incidental water areas where,
 11 and to the extent and the dominant purpose of such services is the
 12 preservation, enhancement or determination of proper land uses, natural
 13 land features, ground cover and planting, naturalistic and esthetic
 14 values, the settings and approaches to buildings, structures, facilities,
 15 or other improvements, natural drainage and the consideration and the
 16 determination of inherent problems of the land relating to erosion, wear
 17 and tear, light or other hazards. This practice shall include the location
 18 and arrangement of such tangible objects and features as are incidental and
 19 necessary to the purposes outlined in this paragraph, but shall not include
 20 the making of cadastral surveys or final land plats for official recording
 21 or approval, nor mandatorially include planning for governmental
 22 subdivisions.

23 15. "Land surveyor" means a person who ~~engages in the practice of~~
 24 ~~surveying tracts of land for the determination of their correct locations,~~
 25 ~~areas, boundaries, and description, for the purpose of conveyancing and~~
 26 ~~recording, or for establishment or re-establishment of boundaries and~~
 27 ~~plotting of lands and subdivisions,~~ BY REASON OF HIS KNOWLEDGE OF THE
 28 MATHEMATICAL AND PHYSICAL SCIENCES AND THE PRINCIPLES OF LAND SURVEYING
 29 AND THE LAW OF EVIDENCE ACQUIRED BY PROFESSIONAL EDUCATION AND PRACTICAL
 30 EXPERIENCE, IS QUALIFIED TO PRACTICE LAND SURVEYING AS ATTESTED BY HIS
 31 REGISTRATION AS A LAND SURVEYOR.

32 16. "LAND SURVEYOR-IN-TRAINING" MEANS A CANDIDATE FOR REGISTRATION
 33 AS A PROFESSIONAL LAND SURVEYOR WHO IS A GRADUATE OF A SCHOOL APPROVED BY
 34 THE BOARD, OR WHO HAS HAD FOUR YEARS OR MORE OF EXPERIENCE IN LAND
 35 SURVEYING WORK OF A CHARACTER SATISFACTORY TO THE BOARD. IN ADDITION, THE
 36 CANDIDATE MUST SUCCESSFULLY PASS THE TWO PART EXAMINATION IN THE BASIC LAND
 37 SURVEYING TECHNIQUES. UPON COMPLETION OF THE REQUISITE YEARS OF TRAINING
 38 AND EXPERIENCE IN THE FIELD OF LAND SURVEYING, UNDER THE SUPERVISION OF A
 39 REGISTRANT OR A QUALIFIED EXEMPTED PERSON WHO IS SATISFACTORY TO THE BOARD,
 40 THE LAND SURVEYOR-IN-TRAINING IS ELIGIBLE FOR THE SECOND STAGE OF THE
 41 PRESCRIBED EXAMINATION FOR REGISTRATION AS A PROFESSIONAL LAND SURVEYOR.

42 17. "PRACTICE OF LAND SURVEYING" MEANS THE PERFORMANCE OR OFFERING
 43 TO PERFORM, EITHER IN PUBLIC OR PRIVATE CAPACITY, ANY ONE OR MORE OF THE
 44 FOLLOWING: THE MEASUREMENT OF LAND TO DETERMINE CORRECT AREA, CORRECT
 45 DESCRIPTION OR FOR CONVEYANCE; THE ESTABLISHMENT OR RE-ESTABLISHMENT OF

1 LAND BOUNDARIES AND THE PLATTING OF LANDS OR SUBDIVISIONS THEREOF; THE
 2 LOCATION, RELOCATION, ESTABLISHMENT OR RE-ESTABLISHMENT OF ANY RIGHT-
 3 OF-WAY OR EASEMENT, BY USE OF THE PRINCIPLES OF LAND SURVEYING; THE
 4 DETERMINATION OF THE POSITION OF ANY MONUMENT OR REFERENCE POINT WHICH
 5 MARKS A PROPERTY LINE, BOUNDARY OR CORNER; THE SETTING, RESETTING OR
 6 REPLACING OF ANY SUCH MONUMENT OR REFERENCE POINT FOR THE PURPOSE OF
 7 DETERMINING CORRECT AREA OF LAND, CORRECT DESCRIPTION OF LAND, OR FOR
 8 CONVEYANCING. ADDITIONALLY, THE PRACTICE OF LAND SURVEYING MAY INCLUDE
 9 THE ACT OF MEASURING, LOCATING, ESTABLISHING OR RE-ESTABLISHING CORNERS,
 10 LINES, BOUNDARIES, ANGLES, ELEVATIONS, CONTOURS AND NATURAL MAN-
 11 MADE FEATURES IN THE AIR, ON THE SURFACE OF THE EARTH, WITHIN UNDER-
 12 GROUND WORKINGS AND ON THE BEDS OF BODIES OF WATER, INCLUDING TOPOGRAPHY
 13 AND THE PREPARATION AND PERPETUATION OF MAPS, PLATS, FIELD NOTE RECORDS
 14 AND LAND DESCRIPTIONS THAT REPRESENT SUCH SERVICE OR WORK. THE PRACTICE
 15 OF LAND SURVEYING DOES NOT INCLUDE THE DESIGN, EITHER IN WHOLE OR IN PART
 16 OF ANY STRUCTURE OR FIXED WORKS EMBRACED IN THE PRACTICE OF PROFESSIONAL
 17 ENGINEERING. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO PROHIBIT A LICENSED
 18 ENGINEER, ARCHITECT OR LANDSCAPE ARCHITECT FROM DOING ANY WORK INCLUDED
 19 IN HIS RESPECTIVE PRACTICE IF SUCH WORK DOES NOT INVOLVE THE ESTABLISHMENT
 20 OR RE-ESTABLISHMENT OF PROPERTY CORNERS OR PROPERTY LINES OR THE WRITING
 21 OF LAND DESCRIPTIONS.

22 Sec. 2. Section 32-122, Arizona Revised Statutes, is amended to
 23 read:

24 32-122. Qualifications of applicant

25 A. An applicant for registration as an architect, engineer, geologist,
 26 ~~or~~ landscape architect OR LAND SURVEYOR shall be of good moral character
 27 and repute, and shall have engaged actively for at least eight years in
 28 architectural, engineering, geological, ~~or~~ landscape architectural OR LAND
 29 SURVEYING education and experience which meets standards specified by the
 30 board in its rules and regulations, but each year of teaching architectural,
 31 engineering, geological, ~~or~~ landscape architectural OR LAND SURVEYING
 32 subjects or of study satisfactorily completed in an architectural,
 33 engineering, geological, ~~or~~ landscape architectural OR LAND SURVEYING
 34 school approved by the board up to a maximum of five years may be con-
 35 sidered equivalent to one year of active engagement.

36 B. An applicant for registration as an assayer ~~or a land surveyor~~
 37 shall be of good moral character and repute and shall have engaged actively
 38 for at least six years in assaying ~~or land surveying~~ education and
 39 experience which meets standards specified by the board in its rules and
 40 regulations, but each year of teaching assaying ~~or land surveying~~ or of
 41 study satisfactorily completed in a school approved by the board, up to a
 42 maximum of four years, may be considered equivalent to one year of active
 43 engagement.

44 Sec. 3. Current registrants

45 A. ANY PROFESSIONAL ENGINEER WHO IS REGISTERED IN THE STATE OF
 46 ARIZONA PRIOR TO THE EFFECTIVE DATE OF THIS ACT AND WHO HAS ACTIVELY
 47 PRACTICED LAND SURVEYING AS DEFINED IN SECTION 32-101, ARIZONA REVISED
 48 STATUTES, MAY, WITHIN SIX MONTHS OF THE EFFECTIVE DATE OF THIS ACT,
 49 APPLY TO THE BOARD FOR REGISTRATION AS A LAND SURVEYOR.

1 B. THE APPLICATION FORM SHALL CONTAIN AN AFFIDAVIT
 2 SIGNED BY THE APPLICANT ATTESTING TO THE FACT THAT THE
 3 APPLICANT HAS PRACTICED LAND SURVEYING PRIOR TO THE EFFECTIVE
 4 DATE OF THIS ACT. THE STATE BOARD OF TECHNICAL REGISTRATION
 5 SHALL, AFTER RECEIPT OF THE APPLICATION AND THE PAYMENT OF
 6 FEES, REGISTER THE APPLICANT AS A LAND SURVEYOR.
 7 C. IF WITHIN TWENTY-FOUR MONTHS OF THE EFFECTIVE DATE OF
 8 THIS ACT AN APPLICANT HAS NOT COMPLETED ALL STATUTORY AND
 9 BOARD REQUIREMENTS FOR REGISTRATION THEN THE APPLICATION
 10 SHALL BE DENIED.
 11 D. A REGISTERED PROFESSIONAL ENGINEER WHO IS ALSO AN
 12 APPLICANT FOR REGISTRATION AS A LAND SURVEYOR AS SPECIFIED
 13 IN SECTION 3-A SHALL NOT PRACTICE LAND SURVEYING AFTER THE
 14 TWENTY-FOURTH MONTH FOLLOWING THE EFFECTIVE DATE OF THIS
 15 ACT WITHOUT FIRST BEING REGISTERED AS A LAND SURVEYOR.
 16 SEC. 4. INTENT REGARDING TERMINATION
 17 A. NOTWITHSTANDING THE PROVISIONS OF THIS ACT, THE
 18 LEGISLATURE INTENDS THAT THE PROVISIONS OF TITLE 41,
 19 CHAPTER 20, ARIZONA REVISED STATUTES, OPERATE TO TERMINATE AN
 20 AGENCY, ANY PROVISIONS REGARDING POWERS, DUTIES, FUNCTIONS
 21 OR PERSONNEL ADDED OR AMENDED BY THIS ACT TERMINATE ON THE
 22 DATE OF TERMINATION OF THE PARTICULAR AGENCY.

Chairman Farley indicated his hope that a bill would evolve
 that could receive the full support of the Board. He
 indicated the Board will be preparing recommendations to the
 Board and the Board will review a draft prepared by this
 committee by October 18 as to what will be proposed to the
 Legislature.

Chairman Farley indicated the Board's appreciation for
 Mr. Anderson's attendance.

Chairman Farley then recognized Mr. Carson who had prepared
 a brief speech on this matter, to wit:

(ANNOUNCEMENT OF Mr. Carson's speech is attached)

Meeting recessed for lunch: 12:10

The afternoon session of the quarter-annual meeting of the State Board of Technical Registration was called to order by Chairman Wayne O. Earley at 1:50 p.m.

3. B. (Continued)

Dr. O'Bannon indicated his support to the proposed act if it would be made clear that incidental surveying could be practiced. As it is worded it is exclusive, there is nothing incidental. If you could do that, I think you have the vast support of most of the engineering profession.

Mr. Edson questioned Mr. Andrews if this proposed act was prepared with the benefit of legislative council.

Mr. Andrews indicated they were advised by Mr. Leo Corbett.

Mr. Edson reiterated that any of the portion of the bill that refers to examination process should be referred to in the Rules and Regulations.

Chairman Earley indicated his hope that a bill would evolve that could receive the full support of the Board. He indicated Mr. Gomez will be preparing recommendations to the Board and the Board will review a draft prepared by this committee on December 19 as to what will be proposed to the Legislature.

Chairman Earley indicated the Board's appreciation for Mr. Andrews' attendance.

Chairman Earley then recognized Mr. Durand who had prepared a brief speech on this matter, to wit:

(NOTE: Type insert #1 attached)

LAND SURVEYING PRACTICE

Perhaps the biggest problem within the Code is the loose definition philosophically of a Land Surveyor, thus giving an improperly oriented person a psuedo impression they can do land surveying.

Definition

Philosophy

1. The study and knowledge of the principles that cause control or explain the facts.
2. (Rational)

Land surveying does not imply only the mechanical ability to measure distances, angles, etc. Land surveying is an explicit knowledge and ability to determine the geographical position of a land corner by virtue of experience and education.

The surveyor exclusively makes decisions by applying various factors and these are:

1. Mathematical formulae;
2. Investigation of title in fee simple and interpretation of complex recorded instruments;
3. Knowledge of statutes regarding real estate;
4. A thorough understanding of existing rules and regulations;
5. A comprehensive ability to interpret the physical portion of title;
6. Recognizes a mandate to delineate common property lines in a manner equitable to either of adjoining land owners;
7. Intent of previous owners or developers;
8. Gather evidence of existing monumentation and formulate opinion to resolve physical title;
9. Recognize acquiescence by adverse possession as opposed to fraudulent claims or erroneous survey (recent);
10. Proper mechanics and correct usage of field equipment;
11. Relate all data and resolve mathematically;
12. Determine the governing calls in legal descriptions particularly on erroneous legals.

There may, in special instances, be other problems such as in subdivisions where many other resolutions are necessary to resolve.

The above are not necessarily followed in the noted order.

INSERT # 1 (Cont'd)

Areas that should be familiar to surveyors are:

1. Title companies
2. City, county, state and federal records
3. Recorders' offices
4. Testimony of witnesses
5. Assessors' records
6. State Highway Department

- 27-28-112 - Add consultants of the Board to Twenty clause
- 29-30-112 - Relete last two lines for who holds a certificate of qualification issued by a national bureau of registration or certification
- 31-32-112 - Change where where to a majority of members

It was suggested to the Chairman of the Legislative Committee, Mr. Sims, by Chairman Carley that Mr. Burns be added as a member of this committee. Mr. Burns was appointed by Mr. Sims as a member of the Legislative Committee. Mr. Burns accepted the appointment.

REPORT OF THE EVALUATION COMMITTEE

A. ARCHITECTURAL EVALUATION COMMITTEE

The Architectural Evaluation Committee Report was presented by Mr. Jack Robert O'Brien at Minute 14:00.

14:00 - It was moved by Mr. Sims and seconded by Dr. O'Brien that Parts 1, 2, 3, 4, and 5 of the Architectural Committee Report be adopted, certified and implemented by the Board. Motion Carried.

14:15 - It was moved by Mr. Sims and seconded by Dr. O'Brien that Item 6 be added to the Architectural Evaluation Committee Report, allowing the Board listed there as below hold for Governor Fred Cook, Part 2, motion carried.

14:25 - It was moved by Mr. Sims and seconded by Dr. O'Brien that two additional names be added to the registration granted list, those of James M. Coody and Fred O'Connell, their approvals being based on prior certification by NCARS, and they be granted registration numbers. Motion Carried.

4683

3. C. Revision to statute providing for a 12-member Board - add one architect and two engineers. This matter was referred back to the Committee for further revision with the request that a draft be prepared for the review of the Board at its next meeting.
- D. Revision to statute clarifying definitions, allowing Board's rules and regulations to govern examination specifics. This matter was referred back to the Committee for further revision with the request that a draft be prepared for the review of the Board at its next meeting.
- E. Miscellaneous other statutory changes.
 - 1) 32-108 - Change Annual Report date to August to conform to fiscal year operation.
 - 2) 32-110 - Add consultants of the Board to immunity clause.
 - 3) 32-126 - Delete last two lines "or who holds a certificate of qualification issued by a national bureau of registration or certification."
 - 4) 32-128 D - Change seven members to a majority of members.

It was suggested to the Chairman of the Legislative Committee, Mr. Gomez, by Chairman Earley that Mr. Durand be added as a member of this committee. Mr. Durand was appointed by Mr. Gomez as a member of the Legislative Committee. Mr. Durand accepted the appointment.

4. REPORT OF THE EVALUATION COMMITTEES:

A. ARCHITECTURAL EVALUATION COMMITTEE

The Architectural Evaluation Committee Report was presented by Mr. Nunn. Report is shown on Minute Pages _____.

MOTION: It was moved by Mr. Nunn and seconded by Dr. O'Bannon that Parts 1, 2, 3, 4, and 5 of the Architectural Committee Report be accepted, certified and implemented by the Board. Motion carried.

MOTION: It was moved by Mr. Nunn and seconded by Dr. O'Bannon that Item 6 be added to the Architectural Evaluation Committee Report showing the names listed there as being held for December Prof. Exam, Part B. Motion carried.

MOTION: It was moved by Mr. Nunn and seconded by Dr. O'Bannon that two additional names be added to the registration granted list, those of James M. Coady and Fred Osgood, their approval being based on prior certification by NCARB, and they be granted registration numbers. Motion Carried.

Chairman Earley at this time turned the meeting over to the Vice-Chairman, Dr. O'Bannon.

4. B. LANDSCAPE ARCHITECTURAL EVALUATION COMMITTEE:

Mr. Earley presented the report of the Landscape Architectural Evaluation Committee shown on Minute Page _____.

MOTION: It was moved by Mr. Earley and seconded by Mr. Riggs that Parts 1 & 2 of the report be accepted, and implemented. Motion carried.

Mr. Earley indicated Elizabeth Wheat was given a personal audience at the Landscape Evaluation Committee meeting on September 26 and was approved for registration as having completed her requirements. Ms. Wheat was granted registration No. 13332 at that time.

Vice-Chairman O'Bannon then turned the meeting over to Chairman Earley.

C. ENGINEERING EVALUATION COMMITTEE REPORT:

Mr. Gookin presented the report of the Engineering Evaluation Committee shown on Minute Pages _____.

MOTION: It was moved by Mr. Gookin and seconded by Dr. O'Bannon that Parts 1, 2, 3, 4, 5, and 6 of the report be accepted and implemented by the Board. Motion carried.

Part 7 - It was moved by Mr. Goodin and seconded by Mr. Riggs that Herbert E. Bay does meet the requirements for registration and that he be granted registration without further examination based on his previous experience.

The matter of Mr. Bay's registration was then referred to the full Board for discussion, since it was brought out Mr. Bay's knowledge of the Arizona statutes could be questioned in view of certain comments that were made by him in a newspaper article and that the Committee had not had an opportunity to question Mr. Bay further on the newspaper article.

MOTION: It was moved by Mr. Riggs and seconded by Mr. Gomez that this approval of Mr. Bay for registration as a Mechanical Engineer be tabled until the full Board has an opportunity to examine Mr. Bay on his understanding of Arizona statutes. Motion carried with Dr. O'Bannon abstaining for the reason of a possible conflict of interest. Motion carried.

04685

5. REGISTRATIONS DENIED: (Shown on Page _____)

MOTION: It was moved by Mr. Gookin and seconded by Dr. O'Bannon that the applicants shown on Page _____ as amended, be denied registration for the reasons cited.

6. REGISTRATIONS GRANTED: (Shown on Pages _____)

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Riggs that the applicants shown on Pages _____ through _____, as amended, be granted registration. Motion carried.

7. REPORT OF THE PUBLIC INFORMATION COMMITTEE

Chairman Earley called for a report from the Executive Director on the Board's authorization at their November 21, 1980, meeting to investigate the possibilities of obtaining the services of a public information firm to assist the Technical Registration Board in issuing press releases, information for the annual report, and various other public relation functions. Mr. Edson indicated no action has been taken at this time, as he has begun to survey people who might be available.

It was Mr. Nunn's suggestion to the Board that the public relations firm who is retained by his firm meet with himself and Mr. Edson with the purpose of drafting a scope of work for use in asking for proposals.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Riggs that the Board request Mr. Nunn meet with the member of the public relations firm that serves his company and draft a letter to various public relations firms regarding the needs of the Board of Technical Registration. Motion carried.

8. REPORT OF THE BUDGET COMMITTEE

Dr. O'Bannon announced that plans were being made to have a meeting with the Senate and House Appropriations Subcommittee Chairmen to obtain their approval on new proposed staffing plan for the Board of Technical Registration as proposed in the Special Board meeting held November 21.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Gookin that the Supplementary Budget Appropriation Request be adopted.

Chairman Earley called for discussion on this motion. Mr. Edson indicated he has made every effort to get together with the JLBC, and at the present time Representative Goodwin and Senator Pritzlaff were touring various state agencies with their staff.

Dr. O'Bannon recommended that a letter be sent requesting an hour appointment with Representative Goodwin.

Mr. Edson indicated it might be beneficial if the request be made to JLBC to include this agency in a legislative tour.

Mr. Gomez, as Chairman of the Legislative Committee, requested that his committee members receive a copy of any correspondence initiated to legislative appropriation subcommittee members by the Executive Director.

Chairman Earley called for discussion from Board members on bringing the Technical Registration office personnel back up to the five person strength and, additionally, filling one of the Grade 20 positions for the office, either in the Enforcement or Licensing areas as adopted by the Board at the November 21 Special Meeting.

Mr. Edson explained the the position of Administrative Asst. II now vacant in the office was in the process of being filled. However, due to complications in obtaining a new certified list of eligible applicants from the Personnel Division, interviews had been delayed.

Dr. O'Bannon's motion failed, as no vote was called.

Chairman Earley presented Mr. Gomez with a plaque to express the appreciation of the Board for his service as Chairman for the preceding year. Mr. Gomez expresses his appreciation of the award.

A short recess was called at 3:00 p.m.

Meeting reconvened at 3:10 p.m.

9. REPORT OF THE ENFORCEMENT COMMITTEE

- B. C0025-79 - BTR vs. Wallaby Enterprises. Refer to Minutes of October 24, 1980, Item 5, shown on page _____.

Mr. Lundin was represented by his attorney, Michael Graham who addressed the Board on behalf of Mr. Lundin. Mr. Graham indicated the company of Wallaby Enterprises has been changed to qualify Mr. Lundin to continue in certain activities, and a corporation has been formed. The corporation does intend to file a statement to reflect who the responsible officers are and the registrants with a full and complete list of the services Wallaby Enterprises will be performing in the future. Mr. Lundin is the president and has public relations duties and does not engage in any activities that require a professional license with this Board. Mr. Lundin is a professional archaeologist. Mr. Graham, on behalf of Mr. Lundin, requested the Board authorize the Executive Director to enter into some type of Consent Agreement that is deemed appropriate by the Executive Director and Mr. Lundin.

Mr. Durand noted that he was present at the Enforcement Committee Meeting on October 24, 1980, at which Mr. Lundin appeared. Mr. Durand indicated at that meeting Mr. Lundin made a direct statement that he had practiced in geology.

and seconded by Mr. Durand
MOTION: It was moved by Mr. Nunn/that this case be continued until the next Board meeting and that the Executive Director be authorized to negotiate with Mr. Lundin and his counsel to prepare a consent decree that would give the Board assurance of proper cease and desist and

sincerity of the new corporation and the action by the president. Such Consent Agreement also include investigative costs; and that complaints be set against Walter E. Heinrichs, #2447; James D. Loghry, #11365; Larry K. Lepley, #10567; David L. Kuck, #2646; and Joseph E. Shearer, #10843, for aiding and abetting.

MOTION: Mr. Gookin moved that the motion be amended to provide that the matter be continued until the next meeting of the Board and that in the interim minutes be prepared of the Enforcement Committee meeting of October 24, 1980, and that proposals for the Consent Agreement be brought before the Board at the next Board meeting should it be the desire of the respondent. Motion denied for lack of second.

it was seconded by Dr. O'Bannon
 MOTION: Ms. Finley moved that the motion be amended to provide that a substantial fine be assessed Mr. Lundin above and beyond the investigation cost. On advise of counsel for the Board of Technical Registration, motion was withdrawn.

B. 1) C 0017-79 BTR vs. Dwane G. Lewis, (Arch. #7619). Refer to Minutes of October 24, 1980. Item 2A, shown on page _____.

MOTION: It was moved by Mr. Durand, seconded by Mr. Riggs that the recommendation of the Enforcement Committee be adopted. Motion carried.

2. C 0100-79 - BTR vs. George Michael (Civil Eng. #11166). Refer to Minutes of October 24, 1980. Item 2B, shown on Page _____.

MOTION: It was moved by Dr. O'Bannon, seconded by Ms. Finley that this complaint be denied and that recommendation of the Enforcement Committee be adopted as stated. Motion carried.

3. C0041-79 - BTR vs. Carlton Services. Refer to Minutes of October 24, 1980. Item 2C, shown on page _____.

MOTION: It was moved by Dr. O'Bannon, seconded by Ms. Finley that the recommendation of the Enforcement Committee be adopted as stated. Mr. Riggs stated that he is not related to respondent, Carlton Riggs. Motion carried.

4. C 0102-79 - BTR vs: Frank L. Yarbrough (L.S. #5362). Refer to Minutes of October 24, 1980. Item 4, shown on page _____.

MOTION: It was moved by Dr. O'Bannon, seconded by Ms. Finley, that the recommendation of the Enforcement Committee be adopted as presented. Motion carried.

5. C 0025-79 - BTR vs. Wallaby Enterprises. Refer to Minutes of October 24, 1980. Item 5, shown on page _____.

MOTION: It was moved by Mr. Durand, and seconded by Dr. O'Bannon that a complaint be filed on the five other registrants for aiding and abetting respondent. Motion carried.

4688

6. C 0028-79 - BTR vs. Massey's Engineering, Inc. Refer to Minutes of October 24, 1980. Item 6, shown on page ____.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Riggs that the recommendation of the Enforcement Committee be adopted as presented. Motion carried.

7. C 0038-80 - BTR vs. David A. Stratton (L.S. #7498). Refer to Minutes of October 24, 1980. Item 7, shown on page ____.

MOTION: It was moved by Mr. Riggs and seconded by Dr. O'Bannon that the recommendation of the Enforcement Committee be adopted as presented. Motion carried.

8. C 0039-80 - BTR vs. David A. Stratton (L.S. #7498), Refer to Minutes of October 24, 1980. Item 8, shown on page ____.

MOTION: It moved by Dr. O'Bannon and seconded by Mr. Durand that Mr. Stratton be requested to sign a Consent Agreement in which he would agree to give up his license for 180 days and pay the full cost of the investivative services. A recommendation was suggested to the Executive Director this recommendation was negotiable.

9. C 101-79 - BTR vs. David L. Stratton (L.S. #7498), Refer to Minutes of October 24, 1980. Item 9, shown on page ____.

MOTION: Mr. Durand amended the motion immediately preceding to include the grievances stated in Item 9 and incorporate the two complaints; and that whatever fine assessed Mr. Stratton also be incorporated. Amendment to the motion seconded by Mr. Gomez. Motion carried.

10. REPORT OF THE EXECUTIVE DIRECTOR

- A. The Executive Director stated that all the subjects intended for discussion at this time had been taken care of earlier in the meeting, and that it would possibly be redundant to repeat the information.

At this time, Chairman Earley excused Mr. Sheets from the meeting, and expressed the Board's appreciation for his attendance.

11. READING OF COMMUNICATIONS

Chairman Earley turned the meeting over to Vice-Chairman O'Bannon.

- A. Letters - September 10, 1980 - City of Phoenix, Building Safety Department, regarding Civil Engineer's qualifications, shown on Page ____.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Nunn that a letter be written explaining the Board's policy and also state what the policy has been in the past. Motion carried.

04689

11. A. 1) December 1, 1980 - Letter from Structural Engineers Association related to above matter

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Nunn that a letter be written explaining the Board's policy and also state what the policy has been in the past. Motion carried.

- B. Letter - August 21, 1980 - Robert R. Haines - requesting waiver of Part I of the Fundamentals Exam, shown on Page _____.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Gomez that the request to waive Part I of the E.I.T. Examination, since this would be in distinct opposition to Board policy. Motion carried with Mr. Nunn abstaining due to a possible conflict of interest.

- C. Letter - September 26, 1980, from Gerald Orrison, 79-673, referring to letter of April 10, 1980 - requesting reconsideration of application in Civil Engineering. Letters are shown on Pages _____.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Nunn that a letter be written explaining the Board's policy and also state what the policy has been in the past. Motion Carried.

- D. Letter - December 2, 1980 - Martin Kuhn - writing for past exam material in Mining, Geology, Metallurgical Engineering as Society consultant to NCEE for exam preparation.

MOTION: It was moved by Mr. Gomez and seconded by Mr. Durand that Mr. Kuhn's request be approved and that he be sent copies of old exams. Motion carried.

12. UNFINISHED BUSINESS

- A. Following are files for Board review for approval to grant registration without examination, including some with registration in other states by grandfather clauses that recognized education and experience.

- 1) 80-025 - Sartori, Joseph Anthony - C.E. - Held for exam 3 & 4 Degree, plus 29 years of experience, registered in Massachusetts. As shown on Page _____.

MOTION: It was moved by Mr. Brown and seconded by Dr. O'Bannon that Mr. Sartori be granted a license without any further examination. Motion carried.

- 2) 79-780 - Ritch, Robert Edward - Electrical Engineer - Held for exam 3 & 4 - Degree and 41 years of experience, registered in D.C., VA and Maryland. As shown on Page _____.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Earley that Mr. Ritch be granted a license without further examination. Motion carried.

12. A. 3) 79-335 - Hodges, Paul Arthur - Mining Engineer - Held for exam 3 & 4. Degree and 27 years of experience, no previous registration. As shown on Page _____.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Riggs that registration be granted Mr. Hodges without further examination. Motion carried.

- 4) 80-145 - Johnson, Fred Maynard - Geologist - Held for exam 3 & 4. Degree and 20 years of experience, registered in Delaware, certified nationally by AIPS. As shown on Page _____.

Mr. Brown recommended Mr. Johnson and noted he had received the examination in Geology in Delaware. However, Mr. Brown withdrew from voting on a motion for the reason of a possible conflict of interest.

Dr. O'Bannon recommended that Mr. Johnson be denied licensing at this time, since to grant registration would be inconsistent with Board policy, and a unanimous vote from the panel would more appropriate.

Mr. Brown indicated it would be expedient for the Board to consider changing Board policy concerning applicants with 15 years experience. Since Board policy dictates 25 years experience, then it must be followed until changed.

Mr. Edson noted that in most states the requirement is anywhere from 10 to 20 years experience.

MOTION: It was moved by Mr. Riggs and seconded by Mr. Earley that this matter be tabled until the next Board meeting. Motion carried.

- 5) 80-578 - McCune, James - Structural Engineer - Held for exam 5 & 6 Degree plus 31 years of experience, registered in New York. Committee reviewed file without transcript from Dublin University and held him for Part 5 & 6 with the proviso that Board consider waiver of exams on receipt of transcript. Transcript has been received November 20, 1980.

MOTION: It was mover by Mr. Brown and seconded by Mr. Durand that Mr. McCune be granted a license without further examination. Motion carried.

At this time the meeting was then turned back to the Chairman.

13. NEW BUSINESS

- A. 77-224 - José Pujadas, Architect - Held for exam. Qualified A, B, C, D, Prof. A, B. Mr. Pujadas filed complaint with Governor's Office regarding Prof. Exam B, saying he was deficient in English comprehension, and that accounted for inability to pass the Professional exam B.

13. A. NEW BUSINESS (Cont'd)

Chris Hammil, in relaying this information, indicated the Governor had suggested that with the percent of Spanish population we have in Arizona, it may be well for the Board to consider Spanish language exams as the Registrar of Contractors is now doing.

Mr. Pujadas' exam performance is as follows:

Qualifying Exam:

- A - History -----Pass
- B - Structural Design -----Pass
- 9 hours C - Materials and Methods of Constr.--Pass
- D - Environmental Control Systems-----Pass

Professional Exam:

- A - Site Planning and Design -----Pass
- 12 hours B - I - Environmental Analysis ---Fail
- 16 hours II - Programming -----Pass
- III - Design and Technology ----Pass
- IV - Construction -----Pass

With the change in Exam B grading policy in July, Mr. Pujadas has only to complete Exam B-I of the Professional Exam. Language does not appear to be a barrier.

MOTION: Mr. Gomez moved that the Board instruct the Executive Director write a letter to the Governor's Office informing him we have had no problem regarding language in the past, and a copy of the letter be forwarded to Mr. Pujadas. With particular note of Mr. Pujadas having already passed eight parts of the examination.

Ms. Finley seconded the motion with the amendment that two separate letters be written---one to the Governor's Office and one to Mr. Pujadas. The letter to the Governor's Office should explain our shortage of operating funds to carry on Technical Registration matters at their present level, and if bilingual examinations were given, operating cost would increase enormously. Motion carried.

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B. Out-of-State Meetings

- 1) WESCARB Meeting - March 12, 13, 14, 1981 - Sun Valley, Idaho

MOTION: It was moved by Dr. O'Bannon and seconded by Ms. Finley that Messrs. Nunn and Riggs be authorized travel expenses to attend this meeting. Motion carried with Messrs Nunn and Riggs abstaining.

- 2) Mr. Durand requested he be authorized travel expenses to attend the Western Regional Land Surveyors' Convention in Reno, Nevada in February 1981.

Mr. Gomez suggested the request be tabled in view of the fact that the meeting had no connection with Board business.

No further action was taken on this matter.

C. State Travel

- 1) Mr. Durand represented the Board at the annual meeting of Arizona Professional Land Surveyors, November 15th in Phoenix.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Nunn that Mr. Durand be authorized expenses for attending this meeting. Motion carried with Mr. Durand abstaining.

- D. We have several registrants (6) in the Branch of Engineering Science. No one seems to know what engineering scientists are supposed to do. Consider transferring these to a recognized branch.

Dr. O'Bannon addressed this issue and explained that Engineering Science is a full course of study at ASU and U of A. Dr. O'Bannon suggested that degrees in this course of study entitled the applicant to decide what discipline of engineering best suited them and the applicant was the better judge of this. These applicants are in compliance with the law and are registered Professional Engineers.

Mr. Edson questioned the status of structural complaints for Aeronautical Engineers.

Mr. Gomez addressed this issue by suggesting the applicants determine their field of specialization in engineering.

MOTION: Dr. O'Bannon moved we table the question on Aeronautical Engineers. Motion failed due to lack of second.

- E. 1) The statute indicates that the Board may grant renewal fee waivers to elderly persons - Refer to rule change for background. A Board action is required to waive the fees.

MOTION: It was moved by Mr. Gookin, and seconded by Mr. Durand that the Board waive renewal fees for those persons applying for waivers under A.R.S. 32-127 E, who generally conform to the Board's proposed rule R 4-30 - 29(3) and that the Executive Director be authorized to issue pocket card receipts, effective this date.

ARCHITECT APPLICANTS

These applications were not completed in time for the November 7, 1980 Architect Evaluation Committee Meeting. However, they would like to be considered at this time.

	OK	Anderson, Harold B.	80-777	December Prof. Exam, Part B
	OK	Brown, Robert M.	80-662	December Prof. Exam, Part B
	OK	Burns, Robert W.	80-704	December Prof. Exam, Part B
	OK	Charney, Alan R.	80-749	December Prof. Exam, Part B
13434	OK	Coady, James M. (NCARB)	80-774	Registration
13435	OK	Osgood, Fred (NCARB)	80-677	Registration

2) The statute indicates that the Board may cancel registration certificates which have been delinquent for three years. A Board action is required to cancel the certificates.

NOTE: It was noted by Dr. O'Garra and recorded by Mr. Finley to take this action. Motion carried.

3) Mr. Gomez addressed the Board indicating at the last NCEB meeting he learned that structural engineers were taking engineering exams. The NCEB is paying for a consultant to prepare an examination. This, Mr. Gomez, stated was a procedure that this Board has been doing for some time. This is an examination that has been prepared by one individual and the California examination is prepared by several members of the Structural Engineering Association, they are submitted in a group, and California releases this examination to Nevada. Mr. Gomez proposed that this Board communicate with the California Board, so that might be a worthwhile procedure for this Board to establish.

Mr. Dixon was directed by the Vice-Chairman, Dr. O'Garra to communicate with the California Board on this matter.

IV. FUTURE DATES

A. 1) Evaluation Committee

2021	Jan. 8	9:00 a.m.	Committee A - Architects, Engineers, and Land Surveyors
	Jan 15	9:00 a.m.	Committee B - Engineers, Architects, and Geologists
	Jan 22	9:00 a.m.	Committee C - Engineers, Landscape Architects
	Feb. 5	9:00 a.m.	Committee D - Engineers and Landscape Architects
	Feb. 12	9:00 a.m.	Committee E - Architects, Engineers, and Geologists

- 13 E. 1) Mr. Gookin withdrew the motion after objection by Mr. Gomez and considerable discussion as to whether this action would be enforceable.

MOTION: Ms. Finley moved to amend the motion made by Mr. Gookin to make the waiver of renewal fees more specific and only apply to those applications currently received and the Board waive renewal fees on those applicants only, and no waiver of renewal fees be granted until request has been made from the applicant.

MOTION: Mr. Gomez moved the matter be tabled. Mr. Riggs seconded the motion. Motion carried.

- 2) The statute indicates that the Board may cancel registration certificates which have been delinquent for three years. A Board action is required to cancel the certificates.

MOTION: It was moved by Dr. O'Bannon and seconded by Ms. Finley to table this matter. Motion carried.

- 3) Mr. Gomez addressed the Board indicating at the last NCEE meeting he learned that structural engineers were taking engineering exams. The NCEE is paying for a consultant to prepare an examination. This, Mr. Gomez, stated was a procedure that this Board has been doing for some time. This is an examination that has been prepared by one individual and the California examination is prepared by several members of the Structural Engineering Association, they are submitted in a group, and California releases this examination to Nevada. Mr. Gomez proposed that this Board communicate with the California Board, as this might be a worthwhile procedure for this Board to establish.

Mr. Edson was directed by the Vice-Chairman, Dr. O'Bannon to communicate with the California Board on this matter.

14. FUTURE DATES

A. 1) Evaluation Committees:

<u>1981</u>	Jan. 9	-	9:00 a.m.	-	Committee A - Architects, Engineers, and Land Surveyors
	Jan 15	-	9:00 a.m.	-	Committee B - Engineers, Architects, and Geologists
	Jan 16	-	9:00 a.m.	-	Committee C - Engineers, Landscape Architects
	Feb. 6	-	9:00 a.m.	-	Committee C - Engineers and Landscape Architects
	Feb. 12	-	9:00 a.m.	-	Committee B - Architects, Engineers, and Geologists

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14. FUTURE DATES (cont'd)A. 1) Evaluation Committees:

Feb. 13 - 10:00 a.m. - Committee A - Architects, Engineers, and Land Surveyors

2) Enforcement Committee:

1980 Dec. 18 - 9:00 a.m. - Available Board

1981 Jan. 22 - 9:00 a.m. - Available Board (Special Board Meeting in afternoon)

Feb. 27 - 9:00 a.m. - Available Board (Special Board Meeting in afternoon)

Mar. 20 - 9:00 a.m. - Available Board (Special Board Meeting in afternoon)

3) Legislative Committee

1980 Dec. 11 - 3:30 p.m.

Dec. 19 - 9:00 a.m.

4) Rules Committee Meeting

1981 Jan 23 - 9:00 a.m.

5) Board Meetings

1980 Dec. 19 - Special Board Meeting

1981 Jan. 23 - Special Board Meeting

Feb. 13 - 9:00 a.m. - Special Board Meeting
Registration Actions

Feb. 27 - 3:00 p.m. - Special Board Meeting
Enforcement Actions

Mar. 6 - 9:00 a.m. - Regular Board Meeting
University of Arizona
College of Engineering
Tucson, AZ

MOTION: It was moved by Mr. Riggs and seconded by Dr. O'Bannon to adopt the dates as changed at this meeting. Motion carried.

B. Out-of-State Meetings

1) Mar. 12-14 - WESCARB - Spring Meeting (Architect)

2) May 3-5 - Western Zone NCEE (Engineers)

MOTION: It was moved by Dr. O'Bannon that Mr. Gomez be authorized Board approval to attend this meeting.

3) June 24-28 - NCARB Annual Meeting
Maui, Hawaii

14. ADJOURNMENT

MOTION: It was moved by Ms. Finley and seconded by Mr. Riggs that the meeting be adjourned.

Meeting adjourned 5:50 p.m.

12/12/80/pw

Mr. Lane gave a brief review of his recent attendance at the NCARB Meeting held in San Francisco, November 5, 1980. It was mentioned by Mr. Lane that an excellent presentation was given by the California representative on environmental matters. Mr. Lane brought back several handouts that were presented during this program. Mr. Lane mentioned that the California Enforcement Program is now under the Department of Consumer Affairs. Mr. Lane also mentioned that Oklahoma has now changed the law eliminating the time requirement for qualifications for examiners in architecture and that recent Oklahoma architectural requirements should be carefully reviewed.

Dr. O'Brien suggested to the Chairman that Ms. Finley be assigned to the Public Question. Ms. Finley indicated she had spoken with several lawyers regarding the rules that were submitted and rejected by the Attorney General's Office.

Chairman Finley directed the Executive Director to arrange a meeting between the Board and the Chairman of the House and Senate Appropriation Committee as quickly as possible, preferably next Wednesday at the earliest.

Chairman Finley welcomed Mr. Stefan Brown, a recent Board member who has just returned from South Africa.

Chairman Finley expressed his appreciation to all Board members for today's attendance.

MOTION: It was moved by Mr. Finley and seconded by Mr. O'Brien that the meeting be adjourned. Motion carried.

4. Review of Personal Audience Procedure.

- A. MOTION: It was moved by Mr. Gookin and seconded by Dr. O'Bannon that in the registration process, upon receipt of applications, the review thereof be performed by the office staff, and each applicant be advised in writing of the recommendation which the staff will make to the full Board. Such notification should include the 20-question quiz to each applicant with a request that the applicant affirm by signed affidavit that he in fact understands the law. The mailing of this quiz will include out-of-state as well as in-state applicants. Each notification shall advise each applicant that he has a right to an evaluation conference provided such a request is made in writing by the applicant.
- B. MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Riggs that the preceding motion be tabled until the regular quarterly Board meeting on December 5, 1980. Motion carried.

5. Other Business

- A. Mr. Nunn gave a brief review of his recent attendance at the WCARB Meeting held in San Francisco, November 8, 1980. It was mentioned by Mr. Nunn that an excellent presentation was made by the California representation on enforcement activities. Mr. Nunn brought back several handbooks that were presented during this program. Mr. Nunn mentioned that the California Enforcement Program is now under the Department of Consumer Affairs. Mr. Nunn also mentioned that Oklahoma has now changed the law eliminating the time requirement for qualification for examinations in Architecture and that recent Oklahoma architectural registrants should be carefully reviewed.
- B. Dr. O'Bannon suggested to the Chairman that Ms. Finley be assigned to the Rules Committee. Ms. Finley indicated she had spoken with Evelyn Epstein regarding the rules that were submitted and rejected by the Attorney General's Office.
- C. Chairman Earley directed the Executive Director to arrange a meeting between the Board and the Chairmen of the House and Senate Appropriation Committees as quickly as possible, preferably next Wednesday at the earliest.
- D. Chairman Earley welcomed Mr. Silas Brown, a recent Board appointee who has just returned from Saudi Arabia.
- E. Chairman Earley expressed his appreciation to all Board members for today's attendance.
- F. MOTION: It was moved by Mr. Finley and seconded by Dr. O'Bannon that the meeting be adjourned. Motion carried.

MEETING ADJOURNED - 12:45 p.m.

R4-30-01. Applications, General (REF. ARS 32-123)

A. The Board meets regularly in March, June, September, and December to consider applications for registration. ~~Prior to consideration by the Board each applicant will be required to appear before an Evaluation Committee of the Board at a time and place established by the committee. The applicant will at this time complete the personal audience requirements, outlined in Article 2, R4-30-17.~~

- 1) APPLICATIONS MUST BE COMPLETE PRIOR TO EVALUATION, INCLUDING ALL INFORMATION REQUIRED BY THE APPLICATION FORM, ANY TRANSCRIPTS REQUIRED AS PART OF THE TOTAL EXPERIENCE CREDIT, COMPLETE RESPONSES FROM ALL REQUIRED REFERENCES, SIGNED PHOTOGRAPHS, AFFIDAVIT, AND AUTHORIZATION & RELEASE FORM. APPROXIMATELY 6-8 WEEKS ARE REQUIRED TO COMPLETE THE DOCUMENTATION AFTER AN APPLICATION IS FILED.
- 2) THE EXECUTIVE DIRECTOR AND QUALIFIED STAFF WILL EVALUATE EACH COMPLETED APPLICATION AND PREPARE THEIR FINDING FOR REVIEW AND RECOMMENDATION OF AN EVALUATION COMMITTEE OF THE BOARD.
- 3) APPLICANTS WILL BE INFORMED OF STAFF FINDING AT SUCH TIME AS THEY ARE COMPLETED PRIOR TO REVIEW BY THE BOARD'S EVALUATION COMMITTEE AND MAY REQUEST IN WRITING A PERSONAL AUDIENCE WITH THE EVALUATION COMMITTEE TO DISCUSS STAFF FINDING OR TO PRESENT ADDITIONAL DOCUMENTATION.

IN THIS SAME COMMUNICATION, APPLICANTS WILL RECEIVE THE BOARD'S OPEN BOOK CODE & RULES EXAMINATION (R4-30-15) TO COMPLETE BY CORRESPONDENCE AND RETURN TO THE BOARD WITH A SIGNED AFFIDAVIT ATTESTING THEY HAVE READ AND UNDERSTAND ARS 32-CHAPTER 1, 101-145 AND THE BOARDS RULES AND BY-LAWS, GOVERNING THE PRACTICE OF ARCHITECTURE, ASSAYING, ENGINEERING, GEOLOGY, LANDSCAPE ARCHITECTURE, AND LAND SURVEYING IN ARIZONA.

- 4) APPLICANT'S MUST RETURN THE CODE & RULES EXAMINATION TO THE BOARD AND RECEIVE A PASSING 70% SCORE BEFORE BEING SCHEDULED ON AN AGENDA OF THE BOARD'S EVALUATION COMMITTEES.
- 5) EVALUATION COMMITTEES OF THE BOARD MEET IN JANUARY, FEBRUARY, APRIL, MAY, JULY, AUGUST, OCTOBER AND NOVEMBER TO EVALUATE APPLICATIONS AND PREPARE RECOMMENDATIONS FOR BOARD APPROVAL ON THE AGENDA OF REGULAR MEETINGS OF THE BOARD IN MARCH, JUNE, SEPTEMBER & DECEMBER.

~~B. No application will be evaluated by the committee nor presented to the Board for consideration until all of the required information, including transcripts, concerning the application has been received. This includes a standard application form completely filled out, including required signatures on application, photograph, affidavit, and authorization and release.~~

QUALIFICATIONS REQUIRED BY ARS 32-122 WILL BE EVALUATED IN ACCORD WITH DEFINITIONS AND PROCEDURE ESTABLISHED UNDER R4-30-03 THRU R4-30-10.

C. Architectural applicants ~~required to submit a treatise on seismic forces will be scheduled for evaluation until the treatise has been submitted, satisfactorily graded and accepted by the Evaluation Committee~~ REGISTERED IN OTHER STATES BY 36 HOUR EXAMINATION PRIOR TO 1965 IN STATES OTHER THAN ALASKA, CALIFORNIA, COLORADO, GUAM, HAWAII, IDAHO, NEVADA, NEW MEXICO, OREGON, UTAH, AND WASHINGTON, OR BY EDUCATION AND EXPERIENCE ONLY, IN ANY STATE OR FOREIGN COUNTRY WILL BE REQUIRED TO SUBMIT A "TREATISE ON LATERAL FORCES" IN ACCORD WITH THE BOARD'S INSTRUCTIONS, OR SUCCESSFULLY COMPLETE A SEISMIC SEMINAR GIVEN BY AUTHORITIES APPROVED BY THE BOARD.

D. No Change

E. No Change

F. The Board does not grant ACCEPT APPLICATIONS FOR IN-TRAINING EXAMINATIONS OR PROFESSIONAL registration FROM residents of other states, except under unusual circumstances, unless they hold registration in the State of their legal residence.

G. When an application for registration is denied ~~or withdrawn~~, the applicants will be so notified of the Board's action. No re-application will be accepted until one year has elapsed from the date of the formal Board action denying the original application. When applications for registration are denied on initial Board action, excluding withdrawals, the refunds will be as per schedule under Article 3.

H. No Change

I. No Change

J. No Change

K. An applicant for any of the in-training programs shall, in order to be admitted to the in-training examinations, submit an application to the Board on prescribed form for approval by the Board. It will be necessary for an applicant to pay the application fee required under Article 3 for registration as an Architect-in-Training, Engineer-in-Training, Geologist-in-Training, Landscape Architect-in-Training OR LAND SURVEYOR-IN-TRAINING, as well as the examination fees stated in Article 3.

R4-30-13. Examination Rules

A. APPLICATIONS FOR REGISTRATION TO PRACTICE FROM APPLICANTS EXPECTING TO QUALIFY FOR PROFESSIONAL EXAMINATIONS MUST BE RECEIVED BY THE BOARD 60 DAYS PRIOR TO THE NEXT EXAMINATION DATE. APPLICATIONS RECEIVED AFTER THE 60 DAY CUT-OFF WILL BE PROCESSED FOR THE EXAMINATION DATE FOLLOWING THE NEXT EXAMINATION DATE.

A. Applicants for registration are permitted to take written examinations only by action of the Board. This action entitles them to take examination on the first date for which the examinations are scheduled. If applicants fail to achieve a passing grade they may be re-examined on the next scheduled examination date. Applicants who are unable to take examinations or re-examinations on the first date for which they are scheduled may apply for a postponement as provided by Paragraph D of this Rule.

B. The Board shall select & publish the examination dates and locations at least sixty NINETY days prior to the date selected. Each applicant will be notified in writing when the Board has determined that he is eligible to take the first scheduled examination or re-examination. The notification will state the date by which the examination fee must be received.

C. No Change

D. No Change

E. No Change

F. An applicant who fails to achieve a passing grade on a re-examination may repeat the re-examination under this rule, EXCEPT THAT APPLICANTS WHO, AFTER 5 RE-EXAMINATION ATTEMPTS, FAIL TO ACHIEVE A PASSING SCORE WILL BE DENIED FOR FAILURE TO COMPLETE THE REQUIREMENTS OF THE BOARD WITH PREJUDICE AND WITHOUT REFUND. APPLICANTS DENIED UNDER THIS RULE MAY RE-APPLY NOT LESS THAN TWO YEARS AFTER THE DATE OF DENIAL AND MUST RE-ESTABLISH ALL EXAMINATION CREDIT BY RE-EXAMINATION IN THE REQUIRED PARTS OF THE EXAMINATIONS.

G. Applicants desiring reconsideration REVIEW of their failing examination shall file a petition-with-the-Board-at-least-thirty-days-prior-to-the-regular meeting-subsequent-to-certification-of-grades-by-the-Board---At-the-time-of the-petition-the-applicant-should-indicate-whether-or-not-he-desires-a-personal appearance-before-the-Board WRITTEN REQUEST WITH THE BOARD. THE BOARD'S STAFF WILL ARRANGE FOR APPLICANT'S REVIEW OF THEIR EXAMINATION. THE BOARD WILL VERIFY THAT SCORING IS WITHOUT ERROR, BUT WILL NOT CHANGE A FAILING SCORE TO A PASSING SCORE, NOR WILL THEY RE-GRADE A TEST THAT HAS BEEN GRADED AS PART OF AN EXAMINATION CLASS OR GROUP.

R4-30-14. General Rules, Applicants for Architect-in-Training, Engineer-in-Training, Geologist-in-Training, Landscape Architect-in-Training AND LAND SURVEYORS-IN-TRAINING.

A. Engineer-in-Training, Geologist-in-Training and Landseape-Architect-in-Training LAND SURVEYOR-IN-TRAINING examinations will be given twice annually, AND IN-TRAINING EXAMINATIONS FOR ARCHITECTS AND LANDSCAPE ARCHITECTS WILL BE GIVEN ONCE ANNUALLY. EXAMINATIONS WILL BE GIVEN at a time and place designated by the Board. and-concurrently-with-the-written-examination-for professional-registration. Applications for in-training examination and certification must be received in the office of the Board at least thirty FORTY-FIVE days prior to the scheduled date of examination.

B. Delete Entirely

C. Delete Entirely

D. Delete Entirely

E. Delete Entirely

F. Delete Entirely

G. Delete Entirely

B. APPLICATIONS FOR IN-TRAINING EXAMINATIONS WILL BE ACCEPTED IN ACCORD WITH QUALIFICATION STANDARDS UNDER R4-30-03 THRU R4-30-10.

R4-30-15. ~~Context-of-Written-Examinations~~ CODE AND RULES EXAMINATION

Delete entire Section A thru L and substitute the following:

THE BOARD'S EXAMINATION ON ARS 32-101 THRU 145 (CODE) AND THE RULES & BY-LAWS CONSISTS OF A MULTIPLE CHOICE, 30 MINUTE EXAMINATION, OPEN BOOK, TO BE COMPLETED BY CORRESPONDENCE.

R4-30-16. PEER REVIEW EXAMINATION

APPLICANTS WHO QUALIFY UNDER RULE R4-30-10, OR OTHER RULES OF THE BOARD FOR REGISTRATION WITHOUT EXAMINATION SHALL APPEAR BEFORE A REVIEW COMMITTEE OF THE BOARD WITH ALL REQUIRED EXHIBITS AT A TIME AND PLACE DESIGNATED BY THE BOARD. THE EXAMINATION WILL CONSIST OF A COMPREHENSIVE REVIEW OF THE APPLICANT'S CONTRIBUTIONS IN WORK PRODUCT IN HIS PROFESSIONAL FIELD AND OF SUCH DURATION TO SATISFY THE REVIEW COMMITTEE THAT THE APPLICANT'S COMPETENCE TO PRACTICE IS FULLY EXPLORED AND DOCUMENTED.

R4-30-17. ~~Personal Audience~~

Delete entire section.

PROPOSED RULES:

Pursuant to ARS 32-124, the State Board of Technical Registration proposes to adopt rules, similar in substance, terms and conditions to the wording of the following:

R4-30-27. Application Fees

The following fees shall accompany an application for registration for a certificate:

- 1. For an architect, assayer, engineer, geologist, landscape architect and land surveyor, who is a bona-fide resident of Arizona, ~~twenty-five~~ FIFTY dollars.
- 2. For an architect, assayer, engineer, geologist, landscape architect and land surveyor, who is a legal resident of another state, territory or foreign country, ~~fifty~~ ONE-HUNDRED dollars.
- 3. Architect-in-Training, Engineer-in-Training, Geologist-in-Training and Landscape Architect-in-Training, ~~ten~~ FIFTEEN dollars.

R4-30-28. Examination Fees

The fees, payable in advance for taking or retaking the examinations, over and above and exclusive of fees required with the application for registration, shall be as follows:

1. ~~In-Training AND PROFESSIONAL examination fees for Architect-In-Training, Engineer-in-Training, Geologist-in-Training, or Landscape Architect-in-Training AND PROFESSIONAL EXAMINATIONS shall be equal to the sum of fees for applicable parts of the appropriate professional examination AS FOLLOWS:~~

2. A. Architect Examinations

(delete entire paragraph and substitute the following:)

IN-TRAINING

- QUALIFYING EXAMINATION \$45.00
- SEC. A - ARCHITECTURAL HISTORY - 2 HOURS
- SEC. B - STRUCTURAL TECHNOLOGY - 3 HOURS
- SEC. C - MATERIALS & METHODS OF CONSTRUCTION - 2 HOURS
- SEC. D - ENVIRONMENTAL CONTROL SYSTEMS - 2 HOURS

(THIS EXAM IS PURCHASED AS A SINGLE EXAMINATION. THE FEE IS NOT DIVISIBLE IN PARTS.)

PROFESSIONAL

PROFESSIONAL EXAMINATIONS

- SEC. A - SITE PLANNING & DESIGN - 12 HOURS - \$50.00
- SEC. B - PROFESSIONAL EXAM - 16 HOURS - \$70.00
- PART I - ENVIRONMENTAL ANALYSIS
- PART II - ARCHITECTURAL PROGRAMMING
- PART III - DESIGN & TECHNOLOGY
- PART IV - CONSTRUCTION

(SECTION B IS PURCHASED AS A SINGLE EXAMINATION. THE FEE IS NOT DIVISIBLE IN PARTS.)

~~3. Examinations Conducted for N.C.A.R.B.~~

(Delete entire paragraph and substitute the following:)

B. Professional Engineer Examinations

IN-TRAINING

FUNDAMENTALS OF ENGINEERING - 8 HOURS	\$25.00
PART 1 - AM	
PART 2 - PM	

PROFESSIONAL

PRINCIPALS & PRACTICE OF ENGINEERING - 8 HOURS	\$25.00
PART 3 - PART 4	

(THESE EXAMINATIONS ARE PURCHASED AS SINGLE EXAMINATIONS. THE FEES ARE NOT DIVISIBLE IN PARTS.)

STRUCTURAL ENGINEERING - 8 HOURS	
PART 5 - LATERAL FORCE ANALYSIS & DESIGN	\$15.00
PART 6 - STRUCTURAL ENGINEERING DESIGN	\$15.00

~~5. C. Geologist Examination~~

(Delete entire paragraph and substitute the following:)

IN-TRAINING

FUNDAMENTALS OF GEOLOGY - 8 HOURS	
PART 1 - AM	\$15.00
PART 2 - PM	\$15.00

PROFESSIONAL

PRINCIPALS & PRACTICE OF GEOLOGY - 8 HOURS	
PART 3 - APPLIED GEOLOGY	\$15.00
PART 4 - GEOLOGICAL PROBLEMS	\$15.00

~~6. D. Landscape Architect Examination~~

(Delete entire paragraph & substitute the following:)

IN-TRAINING

UNIFORM NATIONAL EXAMINATION	
SUBJECT A - HISTORY - 1 HOUR	\$20.00
SUBJECT C - DESIGN - 9 HOURS	\$45.00

PROFESSIONAL

UNIFORM NATIONAL EXAMINATION	
SUBJECT B - PROFESSIONAL PRACTICE - 1 HOUR	\$20.00
SUBJECT D - DESIGN IMPLEMENTATION - 8 HOURS	\$45.00

~~7. E. Land Surveyors Examination~~

(Delete entire paragraph & substitute the following:)

IN-TRAINING

FUNDAMENTALS OF LAND SURVEYING - 8 HOURS	\$25.00
PART 1 - PART 2	

(THIS EXAMINATION IS PURCHASED AS A SINGLE EXAM. THE FEE IS NOT DIVISIBLE IN PARTS.)

EXAMINATION

PROFESSIONAL

- PRINCIPALS & PRACTICE OF LAND SURVEYING - 4 HOURS \$20.00
- LEGAL PRINCIPALS OF LAND SURVEYING - 4 HOURS \$20.00
- 8- F. Assayer Examination \$30.00
- 9- ~~Comprehensive Oral Examination~~ ~~\$50.00~~
- 10- G. Personal Audience none
- CODE & RULES EXAMINATION NO CHARGE

2. OTHER QUALIFICATION FEES

- A. PEER REVIEW \$75.00
- B. TREATISE ON LATERAL FORCES GRADING FEE \$30.00

R4-30-29. Renewal Fees

(Delete the entire section and substitute the following.)

FOR RENEWAL OF A CERTIFICATE OF REGISTRATION, IF RECEIVED PRIOR TO THE EXPIRATION DATE, THE FOLLOWING FEES WILL BE REQUIRED:

- 1. TRIENNIAL RENEWAL AS AN ARCHITECT, ASSAYER, ENGINEER, GEOLOGIST, LANDSCAPE ARCHITECT, OR LAND SURVEYOR \$90.00
- A. TRANSITION OF NEW REGISTRANT FROM BILLING DATE (REGISTRATION DATE PLUS SIX MONTHS PLUS OR MINUS, THE NEAREST END OF QUARTER DATE) TO THE REGISTRANTS ALPHA CLASS EXPIRATION DATE - TO BE CALCULATED AT THE RATE OF \$2.50/MONTH

ALPHA CLASS EXPIRATION DATES ARE AS FOLLOWS, BASED ON THE REGISTRANTS LAST NAME INITIAL AT THE TIME OF REGISTRATION:

<u>ALPHA CLASS</u>	<u>EXPIRATION DATE</u>
A - B	MARCH 31, 1984
C	JUNE 30, 1984
D - E	SEPT 30, 1981
F - G	DEC 31, 1981
H - I	MAR 31, 1982
J - K - L	JUNE 30, 1982
Mc - M - N	SEPT 30, 1982
O - P	DEC 31, 1982
Q - R	MAR 31, 1983
S	JUNE 30, 1983
T - U - V	SEPT 30, 1983
W - X - Y - Z	DEC 31, 1983

AFTER THE EXPIRATION DATE SHOWN ABOVE RENEWALS WILL BE FOR A THREE YEAR PERIOD.

- 2. RENEWAL OF IN-TRAINING CERTIFICATION NO CHARGE
- 3. RENEWAL OF REGISTRATION FOR REGISTRANTS QUALIFYING UNDER THE ELDERLY EXEMPTION NO CHARGE

THE BOARD WILL WAIVE RENEWAL FEES FOR REGISTRANTS WHO ARE RETIRED FROM ACTIVE PRACTICE AND WHO HAVE ATTAINED THE AGE OF 65 YEARS UNDER THE FOLLOWING DEFINITIONS:

- A) RETIRED FROM ACTIVE PRACTICE MEANS PHYSICALLY RETIRED FROM A CUSTOMARY PLACE OF BUSINESS OR BUSINESS OFFICE AND NOT ACTIVELY SEEKING CONSULTING COMMISSIONS OR EMPLOYMENT ON A FULL OR PART-TIME BASIS AS A REGISTERED PROFESSIONAL.
 - B) ATTAINED THE AGE OF 65 YEARS MEANS REACHING THAT AGE ON OR BEFORE THE LAST DATE WHEN RENEWALS ARE DUE WITHOUT DELINQUENCY.
 - C) FOR CONSIDERATION OF ELDERLY STATUS AND WAIVER OF RENEWAL FEES UNDER THE ABOVE RULE, REGISTRANTS MUST FILE THE AFFIDAVIT INCLUDED WITH THE RENEWAL NOTICE, AND MUST BE IN GOOD STANDING (NOT DELIQUENT OR LAPSED) AT THE TIME OF FILING.
 - D) REGISTRANTS NOT IN GOOD STANDING MAY SATISFY THIS REQUIREMENT BY PAYING DELINQUENT FEES PLUS THE PENALTY IN ACCORD WITH ARIZONA REVISED STATUTES AT THE TIME THEY BECAME DELIQUENT.
4. PENALTY FOR DELINQUENT PAYMENT OF RENEWAL FEES \$15.00/YEAR OR ANY FRACTION OF A YEAR.
5. THE BOARD WILL CANCEL CERTIFICATES OF REGISTRATION THAT HAVE REMAINED INVALID FOR THREE YEARS. A NEW APPLICATION MUST BE FILED FOR RE-INSTATEMENT WITH FEES IN ACCORD WITH RULE R4-30-27. IF THE BOARD RE-INSTATES THE LICENSE, THE ORIGINAL REGISTRATION NUMBER WILL BE RE-ASSIGNED.

R4-30-31. Refunds

An application for professional registration which has been denied by initial Board action will receive the following refunds:

- 1. For an architect, assayer, engineer, geologist, landscape architect and land surveyor, ~~who is a bona fide resident of Arizona~~, ten dollars.
- 2. ~~For an architect, assayer, engineer, geologist, landscape architect and land surveyor, who is a legal resident of another state, territory, or foreign country, twenty-five dollars.~~

PROVER BOARD
 25% OPTION FEE
 16A

II. Order of Rule Adoption

Pursuant to ARS § 32-106 and 41-1003 and on the basis of the aforesaid findings, the Arizona Board of Technical Registration hereby amends without notice and public procedure the following rules and regulations:

Part 1. Section R4-30-03. Experience is repealed.

Part 2. Add a new Section R4-30-03 to read as follows:

R4-30-03 - EXPERIENCE

A. DEFINITIONS, GENERAL-

1. DEFINITIONS DEFINED UNDER ARS 32-101 ARE INCORPORATED HEREIN BY REFERENCE.
2. CONSULTATION. THE TERM "CONSULTATION" MEANS MEETINGS, DISCUSSIONS, WRITTEN OR VERBAL MESSAGES, REPORTS, ETC., INVOLVING SCIENTIFIC, AESTHETIC AND/OR TECHNICAL INFORMATION, FACTS, AND/OR ADVICE FOR PURPOSES OF PLANNING, DESIGNING, DECIDING, OR LOCATING CONSTRUCTION OR ALTERATION OF STRUCTURES, BUILDINGS, WORKS, MACHINES, PROCESSES, MATERIALS, LAND AREAS, OR PROJECTS.
3. INVESTIGATION. THE TERM "INVESTIGATION" MEANS CAREFUL SEARCH, EXAMINATION, INQUIRY OR STUDY TO REVEAL OR DETERMINE SCIENTIFIC, AESTHETIC AND/OR TECHNICAL INFORMATION AND/OR FACTS FOR THE PLANNING, DESIGN, LOCATION, CONSTRUCTION OR ALTERATION OF EXISTING OR PROPOSED STRUCTURES, BUILDINGS, WORKS, MACHINES, PROCESSES, MATERIALS, LAND AREAS OR PROJECTS.
4. EVALUATION. THE TERM "EVALUATION" MEANS CAREFUL SEARCH, EXAMINATION, OR INQUIRY TO REVEAL, DETERMINE OR ESTIMATE THE VALUE, WORTH, MERIT, EFFECT, EFFICIENCY OR PRACTICABILITY OF PLANNING, DESIGN, LOCATION, CONSTRUCTION, OR ALTERATION OF EXISTING PROPOSED STRUCTURES, BUILDINGS, WORKS, PROCESSES, MATERIALS, MACHINES, LAND AREAS OR PROJECTS.
5. SPECIFICATIONS. THE TERM "SPECIFICATIONS" MEANS THE SPECIFYING OF MATERIAL, EQUIPMENT, PERFORMANCE, PROJECTS, OR METHODS TO BE USED IN THE CONSTRUCTION OR ALTERATION OF BUILDINGS, STRUCTURES, WORKS, MACHINES, PROCESSES, LAND AREAS OR PROJECTS.
6. PLANNING. THE TERM "PLANNING" MEANS CAREFUL SEARCH, EXAMINATION, INQUIRY, STUDY, AND THE FORMULATION OR EXECUTION OF A STATEMENT, OUTLINE, DRAFT, MAP DRAWINGS, DIAGRAM OR PICTURE SHOWING ARRANGEMENT, SCHEME, SCHEDULE, PROGRAM OR PROCEDURE FOR LOCATING, BUILDING OR ALTERING EXISTING OR PROPOSED BUILDINGS, STRUCTURES, WORKS, MACHINES, PROCESSES, MATERIAL, LAND AREAS OR PROJECTS.
7. DESIGN. THE TERM "DESIGN" MEANS ANY SKETCH, PLAN, DRAWING, OUTLINE, STATEMENT, SCHEME, MODEL, OR PROCEDURE WHICH CONVEYS THE PLAN LOCATION, ARRANGEMENT, INTENT, PURPOSE, APPEARANCE AND NATURE OF CONSTRUCTION OR ALTERATION OF EXISTING OR PROPOSED BUILDING, STRUCTURES, WORKS, MACHINES, PROCESSES, MATERIALS, LAND AREAS OR PROJECTS.

- 8. EXPERIENCE CREDIT. EXPERIENCE ACCEPTABLE TO THE EXECUTIVE DIRECTOR, APPROVED BY THE BOARD AFTER EVALUATION OF THE APPLICATION.
- 9. APPROVED SCHOOLS OF SATISFACTORY STANDING. THOSE SCHOOLS WHOSE DEGREE PROGRAMS ARE ACCREDITED BY RECOGNIZED NATIONAL ACCREDITING AGENCIES.
- 10. REGISTRATION BASE STATE. THE STATE ORIGINALLY QUALIFYING A PERSON FOR FIRST REGISTRATION BY EXAMINATION OR OTHER QUALIFICATION.

B. DEFINITIONS OF EXPERIENCE LEVELS

- 1. "SUB-PROFESSIONAL WORK" SHALL BE CONSTRUED TO COVER THE TIME SPENT IN POSITIONS IN WHICH THE RESPONSIBILITY IS SLIGHT AND THE INDIVIDUAL PERFORMANCE OF A TASK, SET AND SUPERVISED BY A SUPERIOR, IS ALL THAT IS REQUIRED, SUCH AS JR. DRAFTSMAN, RODMAN/CHAINMAN, MATERIALS LAB TECHNICIAN, SHOP DRAWING CHECKER, ETC.
 - a) EACH YEAR OF EXPERIENCE IN SUB-PROFESSIONAL WORK, AS DEFINED HEREIN MAY BE CREDITED AS ONE HALF (½) YEAR, NOT TO EXCEED TWO YEARS OF CREDIT TOWARD THE TOTAL REQUIRED EXPERIENCE REQUIRED BY THE RULES FOR IN-TRAINING CERTIFICATION ONLY.
 - b) ONLY EXPERIENCE OF THE APPLICANT WHICH IS RELATED TO THE FIELD FOR WHICH THE APPLICATION IS FILED WILL BE CONSIDERED BY THE BOARD.
 - c) WORK DONE DURING YEARS COUNTED FOR EDUCATION IS CONCURRENT WITH CREDIT GRANTED FOR EDUCATION AND WILL NOT BE COUNTED AS ADDITIONAL EXPERIENCE CREDIT, EXCEPT THAT SUMMER WORK IN FULL-TIME ENGAGEMENTS BETWEEN SCHOOL TERMS OF AT LEAST 2½ MONTHS DURATION MAY BE COUNTED AS SUB-PROFESSIONAL WORK.
- 2. PRE-PROFESSIONAL WORK IS WORK PERFORMED BEFORE REGISTRATION WHICH IS OF A CHARACTER WORTHY OF THE PROFESSION AND IN THE DISCIPLINE FOR WHICH THE APPLICANT IS APPLYING. PRE-PROFESSIONAL WORK SHALL INCLUDE THE TIME AFTER THE APPLICANT HAS COMPLETED THE MINIMUM EDUCATION REQUIREMENTS, DURING WHICH HE HAS BEEN PERFORMING WORK OF A HIGHER GRADE AND RESPONSIBILITY THAN THAT DEFINED AS SUB-PROFESSIONAL WORK. SUCCESSFUL COMPLETION OF GRADUATE STUDY SHALL BE CONSIDERED PRE-PROFESSIONAL WORK, BUT SUCH STUDY WILL NOT BE CREDITED AS MORE THAN ONE YEAR OF PRE-PROFESSIONAL WORK. THE EXECUTION, AS A BUILDER OF WORK DESIGNED BY REGISTRANTS, OR THE SUPERVISION OF SUCH WORK AS FOREMAN, SUPERINTENDENT, OR CRAFTSMAN SHALL BE DEEMED TO BE SUB-PROFESSIONAL WORK
- 3. PRE-PROFESSIONAL WORK (IN RESPONSIBLE CHARGE) MEANS
 - a) IN THE FIELD, OR MANUFACTURING OR RESEARCH FACILITY, THE APPLICANT MUST HAVE DIRECTED THE WORK. THE SUCCESSFUL ACCOMPLISHMENT OF THE WORK MUST HAVE RESTED UPON HIM.. HE MUST HAVE MADE DECISIONS REGARDING METHODS OF EXECUTION AND SUITABILITY OF MATERIALS, COMPONENTS OR DESIGN.
 - b) IN THE OFFICE, THE APPLICANT MUST HAVE HAD TO UNDERTAKE INVESTIGATIONS, EVALUATIONS, CONSULTATIONS, DO PLANNING, WRITE SPECIFICATIONS, DIRECT DRAFTING, OR CALCULATE FOR DESIGNS OF IMPORTANT ASSIGNMENTS DEMANDING RESOURCEFULNESS AND ORIGINALITY.

- c) IN TEACHING VOCATIONS, THE APPLICANT MUST HAVE TAUGHT A PROFESSIONAL PROGRAM OF RECOGNIZED STANDING, AND MAY RECEIVE EXPERIENCE CREDIT TO THE EXTENT PROVIDED BY ARS 32-122, EXCEPT THAT WHEN ENGAGED IN ORIGINAL RESEARCH, PRODUCT DEVELOPMENT, OR CONSULTING AS MAJOR CONCURRENT ACTIVITY, ADDITIONAL EXPERIENCE CREDIT MAY BE CONSIDERED BY THE BOARD TO A MAXIMUM OF TWO YEARS
4. PRE-PROFESSIONAL WORK (DESIGN) MEANS ALL THAT IS STATED ABOVE AS PRE-PROFESSIONAL (IN-CHARGE) AND ADDITIONALLY CONCEPTUAL EXPERIENCE THAT HAS MET THE DEMANDS ENCOUNTERED IN DESIGN IN THE DISCIPLINE APPLIED FOR.

Part 3. Section R4-30-04 is renumbered as follows:

R4-30-04 R4-30-11 Rehearing or review of decision.

- A) (no change)
- B) (no change)
- C) (no change)
- D) (no change)
- E) (no change)
- F) (no change)
- G) (no change)
- H) (no change)
- I) (no change)

Part 4. Add new Section R4-30-04 to read as follows:

R4-30-04 - STANDARDS OF EDUCATION, EXPERIENCE AND EXAMINATION TO QUALIFY AN APPLICANT FOR CERTIFICATION AS AN ARCHITECT-IN-TRAINING AND FOR REGISTRATION AS A PROFESSIONAL ARCHITECT.

A. CERTIFICATION AS ARCHITECT-IN-TRAINING

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR CERTIFICATION AS ARCHITECT-IN-TRAINING FROM APPLICANTS WITH THE FOLLOWING QUALIFICATIONS
NOTE: EACH CATEGORY BELOW IS DEEMED TO EQUATE TO 5 YEARS OF EDUCATIONAL CREDIT.
 - a) GRADUATES, OR STUDENTS IN THE FINAL UNDERGRADUATE SEMESTER, OF AN APPROVED SCHOOL OF ARCHITECTURE OF SATISFACTORY STANDING, WHOSE APPLICATION IS ENDORSED BY THE DEAN OF THE SCHOOL, OR PROFESSOR SERVING AS THE STUDENT'S 5TH YEAR ADVISOR.
 - b) GRADUATES OF OTHER SCHOOLS OF ARCHITECTURE NOT RECOGNIZED BY THE BOARD AS OF SATISFACTORY STANDING, WHO HAVE IN ADDITION ONE AND ONE-HALF YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH NOT MORE THAN ONE-HALF YEAR OF CREDIT MAY BE ON THE SUB-PROFESSIONAL LEVEL, ALL AS DEFINED IN SECTION R4-30-03, WHOSE APPLICATION IS

- c) IN TEACHING VOCATIONS, THE APPLICANT MUST HAVE TAUGHT A PROFESSIONAL PROGRAM OF RECOGNIZED STANDING, AND MAY RECEIVE EXPERIENCE CREDIT TO THE EXTENT PROVIDED BY ARS 32-122, EXCEPT THAT WHEN ENGAGED IN ORIGINAL RESEARCH, PRODUCT DEVELOPMENT, OR CONSULTING AS MAJOR CONCURRENT ACTIVITY, ADDITIONAL EXPERIENCE CREDIT MAY BE CONSIDERED BY THE BOARD TO A MAXIMUM OF TWO YEARS
4. PRE-PROFESSIONAL WORK (DESIGN) MEANS ALL THAT IS STATED ABOVE AS PRE-PROFESSIONAL (IN-CHARGE) AND ADDITIONALLY CONCEPTUAL EXPERIENCE THAT HAS MET THE DEMANDS ENCOUNTERED IN DESIGN IN THE DISCIPLINE APPLIED FOR.

Part 3. Section R4-30-04 is renumbered as follows:

R4-30-04 R4-30-11 Rehearing or review of decision.

- A) (no change)
- B) (no change)
- C) (no change)
- D) (no change)
- E) (no change)
- F) (no change)
- G) (no change)
- H) (no change)
- I) (no change)

Part 4. Add new Section R4-30-04 to read as follows:

R4-30-04 - STANDARDS OF EDUCATION, EXPERIENCE AND EXAMINATION TO QUALIFY AN APPLICANT FOR CERTIFICATION AS AN ARCHITECT-IN-TRAINING AND FOR REGISTRATION AS A PROFESSIONAL ARCHITECT.

A. CERTIFICATION AS ARCHITECT-IN-TRAINING

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR CERTIFICATION AS ARCHITECT-IN-TRAINING FROM APPLICANTS WITH THE FOLLOWING QUALIFICATIONS
NOTE: EACH CATEGORY BELOW IS DEEMED TO EQUATE TO 5 YEARS OF EDUCATIONAL CREDIT.
 - a) GRADUATES, OR STUDENTS IN THE FINAL UNDERGRADUATE SEMESTER, OF AN APPROVED SCHOOL OF ARCHITECTURE OF SATISFACTORY STANDING, WHOSE APPLICATION IS ENDORSED BY THE DEAN OF THE SCHOOL, OR PROFESSOR SERVING AS THE STUDENT'S 5TH YEAR ADVISOR.
 - b) GRADUATES OF OTHER SCHOOLS OF ARCHITECTURE NOT RECOGNIZED BY THE BOARD AS OF SATISFACTORY STANDING, WHO HAVE IN ADDITION ONE AND ONE-HALF YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH NOT MORE THAN ONE-HALF YEAR OF CREDIT MAY BE ON THE SUB-PROFESSIONAL LEVEL, ALL AS DEFINED IN SECTION R4-30-03, WHOSE APPLICATION IS

ENDORSED BY A REGISTERED ARCHITECT WHO IS HIS CURRENT OR FORMER EMPLOYER.

- c) APPLICANTS FROM OTHER EDUCATIONAL BACKGROUNDS, AND APPLICANTS WITH LIMITED EDUCATIONAL BACKGROUND WHO HAVE AT LEAST TWO YEARS OF EDUCATIONAL CREDIT IN THE FIELD OF ARCHITECTURE AND AN ADDITIONAL FOUR YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH ONE YEAR OF CREDIT MAY BE ON SUB-PROFESSIONAL LEVEL, ALL AS DEFINED IN SECTION R4-30-03, WHOSE APPLICATION IS ENDORSED BY A REGISTERED ARCHITECT WHO IS HIS CURRENT OR FORMER EMPLOYER.
 - d) APPLICANTS WITH LITTLE OR NO EDUCATIONAL BACKGROUND WHO HAVE AT LEAST SIX YEARS OF PRE-PROFESSIONAL EXPERIENCE, OF WHICH TWO YEARS OF CREDIT MAY BE ON THE SUB-PROFESSIONAL EXPERIENCE LEVEL, ALL AS DEFINED BY SECTION R4-30-03, WHOSE APPLICATION IS ENDORSED BY A REGISTERED ARCHITECT WHO IS HIS CURRENT OR FORMER EMPLOYER.
2. THE EXECUTIVE DIRECTOR MAY ADMIT QUALIFIED APPLICANTS TO THE ARCHITECT-IN-TRAINING EXAMINATION, CONSISTING OF THE NATIONAL STANDARD "QUALIFYING EXAMINATION" IN FOUR PARTS, AND "PART A-SITE PLANNING AND DESIGN" OF THE NATIONAL STANDARD "PROFESSIONAL EXAMINATION".
 3. UPON SUCCESSFUL COMPLETION OF ARCHITECT-IN-TRAINING EXAMINATIONS AND UPON RECEIPT OF TRANSCRIPTS FROM APPLICABLE EDUCATIONAL INSTITUTIONS SUPPORTING EDUCATIONAL CREDIT, THE BOARD WILL CERTIFY APPLICANTS AS ARCHITECTS-IN-TRAINING (A.I.T.) AND GRANT A NUMBERED CERTIFICATE TO EACH APPLICANT.

B. REGISTRATION AS PROFESSIONAL ARCHITECT

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR REGISTRATION AS PROFESSIONAL ARCHITECT FROM APPLICANTS WHO HAVE THE FOLLOWING QUALIFICATIONS:
 - a) CERTIFIED ARCHITECTS-IN-TRAINING WHO HAVE 3 ADDITIONAL YEARS OF PRE-PROFESSIONAL EXPERIENCE AS DEFINED IN SECTION R4-30-03 AND FURTHER DEFINED IN CONTENT AS SUBSTANTIALLY EQUAL TO THAT EXPERIENCE DESCRIBED IN APPENDIX B OF THE NATIONAL COUNCIL OF ARCHITECTURAL REGISTRATION BOARD CIRCULAR OF INFORMATION NO. 1, 1979, HEREBY INCORPORATED INTO THIS RULE BY REFERENCE. --AT LEAST ONE YEAR OF THE PRE-PROFESSIONAL EXPERIENCE REQUIREMENT SHALL BE EARNED UNDER THE DIRECT SUPERVISION OF A REGISTERED ARCHITECT IN ACTIVE PRACTICE.
 - b) GRADUATES OF AN APPROVED SCHOOL OF ARCHITECTURE OF SATISFACTORY STANDING, WHO HAVE AT LEAST THREE ADDITIONAL YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT AS DEFINED IN SECTION R4-30-03, AND FURTHER DEFINED IN CONTENT UNDER PARAGRAPH B-1a OF THIS RULE. AT LEAST ONE YEAR OF THE PRE-PROFESSIONAL EXPERIENCE REQUIREMENT SHALL BE EARNED UNDER THE DIRECT SUPERVISION OF A REGISTERED ARCHITECT IN ACTIVE PRACTICE.
 - c) QUALIFIED BY PRIOR REGISTRATION IN OTHER JURISDICTIONS UNDER THE PROVISIONS OF ARIZONA REVISED STATUTES (ARS) 32-126.
 - d) GRADUATES OF A SCHOOL OF ARCHITECTURE NOT RECOGNIZED BY THE BOARD AS OF SATISFACTORY STANDING WHO HAVE AT LEAST FOURS YEARS OF APPROVED EDUCATIONAL CREDIT, AND FOUR ADDITIONAL YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT DEFINED BY RULE R4-30-03, AND FURTHER DEFINED AS TO CONTENT BY

SECTION B-1a OF THIS RULE. AT LEAST ONE YEAR OF THE PRE-PROFESSIONAL EXPERIENCE REQUIREMENT SHALL BE EARNED UNDER THE DIRECT SUPERVISION OF A REGISTERED ARCHITECT IN ACTIVE PRACTICE.

- e) ALL OTHER PERSONS SEEKING REGISTRATION TO PRACTICE ARCHITECTURE MUST BE CERTIFIED AS AN ARCHITECT-IN-TRAINING PRIOR TO FILING AN APPLICATION FOR REGISTRATION TO PRACTICE.
2. THE BOARD, AFTER EVALUATION OF EACH APPLICATION INCLUDING SATISFACTORY REFERENCES AND COMPLETION OF THE BOARD'S CODE EXAMINATION AND REVIEW (PERSONAL AUDIENCE) WILL DETERMINE THE FURTHER REQUIREMENTS FOR REGISTRATION IN ARCHITECTURE, IN ACCORD WITH THE FOLLOWING RULES:
- a) APPLICANTS FOR ORIGINAL "BASE STATE REGISTRATION" WILL BE HELD FOR THE ARCHITECTURAL EXAMINATIONS CONSISTING OF THE NATIONAL STANDARD EXAMINATIONS (NCARB) TITLED:
 - QUALIFYING EXAMINATION (FOUR PARTS) - 9 HOURS
 - PART A - PROFESSIONAL EXAMINATION (DESIGN & SITE PLANNING) - 12 HOURS
 - PART B - PROFESSIONAL EXAMINATION (FOUR PARTS) - 16 HOURS
 - b) THE BOARD WILL GRANT CREDIT FOR REQUIRED EXAMINATION PARTS PREVIOUSLY PASSED IN ARIZONA OR OTHER JURISDICTIONS.
 - c) THE BOARD MAY WAIVE THE "QUALIFYING EXAMINATION" FOR GRADUATES OF APPROVED SCHOOLS OF ARCHITECTURE OF SATISFACTORY STANDING.
3. THE BOARD WILL GRANT REGISTRATION TO PRACTICE AND ISSUE NUMBERED CERTIFICATES TO THOSE APPLICANTS WHO PASS THE EXAMINATION STANDARDS OF THE BOARD, AND
- a) APPLICANTS WHO HOLD REGISTRATION CERTIFICATES IN OTHER STATES, WHO HAVE MET THE EXAMINATION STANDARDS OF ARIZONA IN THE STATE OF THEIR BASE REGISTRATION, AND ARE IN GOOD STANDING, WILL BE REGISTERED WITHOUT FURTHER EXAMINATION.
 - b) APPLICANTS REGISTERED BY EXAMINATION PRIOR TO DECEMBER 1965 IN STATES NOT GIVING THE NATIONAL COUNCIL OF ARCHITECTURAL REGISTRATION BOARDS-WESTERN REGION "EXAM G - STRUCTURES", WILL BE REQUIRED TO SUBMIT AN APPROVED TREATISE ON LATERAL FORCES, OR TO COMPLETE AN APPROVED SEISMIC SEMINAR PRIOR TO BEING GRANTED REGISTRATION TO PRACTICE ARCHITECTURE IN ARIZONA.

Part 5. Add new Section R4-30-06 to read as follows:

R4-30-06 STANDARDS OF EDUCATION, EXPERIENCE, AND EXAMINATION TO QUALIFY AN APPLICANT FOR CERTIFICATION AS AN ENGINEER-IN-TRAINING AND FOR REGISTRATION AS A PROFESSIONAL ENGINEER.

A. CERTIFICATION AS AN ENGINEER-IN-TRAINING.

- 1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR CERTIFICATION AS AN ENGINEER-IN-TRAINING FROM APPLICANTS WITH THE FOLLOWING QUALIFICATIONS. NOTE: EACH CATEGORY LISTED BELOW IS DEEMED TO EQUATE WITH FOUR YEARS OF EDUCATIONAL CREDIT.

- a) GRADUATES OR STUDENTS IN THE FINAL UNDERGRADUATE SEMESTER OF A RECOGNIZED ENGINEERING CURRICULUM OF AN APPROVED SCHOOL OF ENGINEERING OF SATISFACTORY STANDING WHOSE APPLICATION IS ENDORSED BY THE DEAN OF THE COLLEGE OR DEPARTMENT HEAD OF A DIVISION OF THE COLLEGE.
 - b) GRADUATES OF ENGINEERING OR SCIENCE RELATED SCHOOLS NOT RECOGNIZED BY THE BOARD AS OF SATISFACTORY STANDING IN PROFESSIONAL ENGINEERING DEGREE PROGRAMS, HAVING AT LEAST THREE YEARS OF APPROVED EDUCATIONAL CREDIT, AND $1\frac{1}{2}$ ADDITIONAL YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH $\frac{1}{2}$ YEAR OF CREDIT MAY BE OF SUB-PROFESSIONAL LEVEL AS DEFINED BY SECTION R4-30-03, WHOSE APPLICATION IS ENDORSED BY A REGISTERED ENGINEER WHO IS HIS CURRENT OR FORMER EMPLOYER.
 - c) NON-GRADUATES OF ENGINEERING OR SCIENCE RELATED SCHOOLS WHO HAVE AT LEAST TWO YEARS OF APPROVED ENGINEERING EDUCATIONAL CREDIT AND IN ADDITION $3\frac{1}{2}$ YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH ONE YEAR OF CREDIT MAY BE OF SUB-PROFESSIONAL LEVEL AS DEFINED IN RULE R4-30-03, WHOSE APPLICATION IS ENDORSED BY A REGISTERED ENGINEER WHO IS HIS CURRENT OR FORMER EMPLOYER.
 - d) APPLICANTS WITH LITTLE OR NO EDUCATIONAL CREDIT WHO HAVE SIX YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH TWO YEARS OF CREDIT MAY BE OF SUB-PROFESSIONAL LEVEL, AS DEFINED IN RULE R4-30-03, WHOSE APPLICATION IS ENDORSED BY A REGISTERED ENGINEER WHO IS HIS CURRENT OR FORMER EMPLOYER.
2. THE EXECUTIVE DIRECTOR MAY ADMIT QUALIFIED APPLICANTS TO THE ENGINEER-IN-TRAINING EXAMINATIONS CONSISTING OF THE NATIONAL STANDARD "FUNDAMENTALS OF ENGINEERING" IN TWO PARTS.
 3. UPON SUCCESSFUL COMPLETION OF THE ENGINEER-IN-TRAINING EXAMINATIONS, AND UPON RECEIPT OF TRANSCRIPTS FROM EDUCATIONAL INSTITUTIONS SUPPORTING EDUCATIONAL CREDITS, THE BOARD WILL CERTIFY APPLICANTS AS ENGINEERS-IN-TRAINING (E.I.T.) AND GRANT A NUMBERED CERTIFICATE TO EACH APPLICANT.

B. REGISTRATION AS PROFESSIONAL ENGINEER

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR REGISTRATION AS A PROFESSIONAL ENGINEER IN ANY OF THE BRANCHES THE BOARD REGISTERS, FROM APPLICANTS WHO HAVE THE FOLLOWING QUALIFICATIONS:
 - a) CERTIFIED ENGINEERS-IN-TRAINING WHO HAVE AN ADDITIONAL FOUR YEARS OF PRE-PROFESSIONAL EXPERIENCE AS DEFINED BY SECTION R4-30-03, IN THE BRANCH SPECIFIED BY THE APPLICATION. A GRADUATE DEGREE (M.S.) MAY SUBSTITUTE FOR ONE YEAR OF PRE-PROFESSIONAL EXPERIENCE.
 - b) GRADUATES (B.S.) OF A SCHOOL OF ENGINEERING OR RELATED SCIENCE APPROVED BY THE BOARD AS OF SATISFACTORY STANDING, WHOSE DEGREE IS IN THE BRANCH SPECIFIED BY THE APPLICATION, WHO HAVE IN ADDITION AT LEAST FOUR YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT AS DEFINED BY SECTION R4-30-03 IN THE BRANCH SPECIFIED BY THE APPLICATION. A GRADUATE DEGREE (M.S.) MAY SUBSTITUTE FOR ONE YEAR OF PRE-PROFESSIONAL EXPERIENCE.
 - c) QUALIFIED BY PRIOR REGISTRATION IN OTHER JURISDICTIONS UNDER THE PROVISIONS OF ARIZONA REVISED STATUTES (ARS) 32-126.

- d) GRADUATES OF A SCHOOL OF ENGINEERING OR RELATED SCIENCES NOT RECOGNIZED BY THE BOARD AS OF SATISFACTORY STANDING WHO HAVE AT LEAST THREE YEARS OF APPROVED EDUCATIONAL CREDIT, AND WHO HAVE AN ADDITIONAL FIVE YEARS OF PROFESSIONAL EXPERIENCE CREDIT DEFINED BY RULE R4-30-03, IN THE BRANCH SPECIFIED BY THE APPLICATION.
- e) APPLICANTS SEEKING REGISTRATION TO PRACTICE IN MORE THAN ONE BRANCH OF ENGINEERING MUST HAVE THE REQUIRED PRE-PROFESSIONAL EXPERIENCE CREDIT (4 YEARS) IN EACH BRANCH. EXPERIENCE ALLOWED FOR CREDIT IN ONE BRANCH WILL NOT BE ALLOWED AS PART OF THE EXPERIENCE REQUIREMENT FOR A SECOND BRANCH APPLICATION.
- f) ALL OTHER PERSONS SEEKING REGISTRATION TO PRACTICE ENGINEERING MUST BE CERTIFIED AS AN ENGINEER-IN-TRAINING PRIOR TO FILING AN APPLICATION FOR REGISTRATION TO PRACTICE.

2. THE BOARD, AFTER EVALUATION OF EACH APPLICATION, INCLUDING SATISFACTORY REFERENCES AND COMPLETION OF THE BOARD'S CODE EXAMINATION AND REVIEW (PERSONAL AUDIENCE) WILL DETERMINE THE FURTHER REQUIREMENTS FOR REGISTRATION IN ENGINEERING, IN ACCORD WITH THE FOLLOWING RULES:

- a) APPLICANTS FOR ORIGINAL "BASE STATE REGISTRATION" WILL BE HELD FOR THE ENGINEERING EXAMINATIONS CONSISTING OF NATIONAL STANDARD EXAMINATIONS (NCEE) TITLED:

FUNDAMENTALS OF ENGINEERING (2 PARTS) - 8 HOURS
 PRINCIPALS & PRACTICE OF ENGINEERING (2 PARTS) - 8 HOURS

IN THE FOLLOWING BRANCHES:

AERONAUTICAL	MECHANICAL
AGRICULTURAL	MINING
CHEMICAL	NUCLEAR
CIVIL	PETROLEUM
ELECTRICAL	SANITARY
INDUSTRIAL	STRUCTURAL

- b) APPLICANTS FOR ORIGINAL BASE STATE REGISTRATION IN THE FOLLOWING BRANCHES WILL BE HELD FOR, IN ADDITION TO THE NATIONAL STANDARD FUNDAMENTALS OF ENGINEERING EXAMINATION, EXAMINATIONS PREPARED BY THE BOARD, LISTED AS FOLLOWS:

GEOLOGICAL - PRINCIPALS & PRACTICE - 2 PARTS - 8 HOURS
 GEOPHYSICAL - PRINCIPALS & PRACTICE - 2 PARTS - 8 HOURS
 METALLURGICAL - PRINCIPALS & PRACTICE - 2 PARTS - 8 HOURS

- c) APPLICANTS FOR ORIGINAL BASE STATE REGISTRATION IN STRUCTURAL ENGINEERING, OR THOSE APPLICANTS REGISTERED IN OTHER STATES WHO EXPECT TO PRACTICE STRUCTURAL ENGINEERING, WILL BE HELD FOR EXAMINATIONS PREPARED BY THE BOARD, IN ADDITION TO THE NATIONAL STANDARD EXAMINATIONS AS FOLLOWS:

ENGINEERING DESIGN, STRUCTURAL - 2 PARTS - 8 HOURS

- d) THE BOARD GRANTS CREDIT FOR EXAMINATION PARTS PREVIOUSLY PASSED IN ARIZONA OR OTHER JURISDICTIONS.
 - e) THE BOARD MAY WAIVE THE FUNDAMENTALS OF ENGINEERING EXAMINATION FOR APPLICANTS WHO ARE GRADUATES OF AN APPROVED SCHOOL OF ENGINEERING OR RELATED SCIENCES OF SATISFACTORY STANDING AND WHO HAVE IN ADDITION TEN YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT, OF WHICH AT LEAST FIVE YEARS SHALL HAVE BEEN IN RESPONSIBLE CHARGE OF IMPORTANT ENGINEERING PROJECTS.
3. THE BOARD WILL GRANT REGISTRATION TO PRACTICE ENGINEERING AND ISSUE NUMBERED CERTIFICATES TO THOSE APPLICANTS WHO SUCCESSFULLY COMPLETE THE EXAMINATION STANDARDS OF THE BOARD, AND
- a) APPLICANTS WHO HOLD REGISTRATION CERTIFICATES IN OTHER STATES, WHO HAVE MET THE EXAMINATION STANDARDS OF ARIZONA IN THE STATE OF THEIR BASE REGISTRATION, AND ARE IN GOOD STANDING, WILL BE REGISTERED WITHOUT EXAMINATION.

Part 6. Add new Section R4-30-07 reading as follows:

R4-30-07 STANDARDS OF EDUCATION, EXPERIENCE AND EXAMINATION TO QUALIFY AN APPLICANT FOR CERTIFICATION AS A GEOLOGIST-IN-TRAINING, AND FOR REGISTRATION AS A PROFESSIONAL GEOLOGIST.

A. CERTIFICATION AS A GEOLOGIST-IN-TRAINING

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR CERTIFICATION AS A GEOLOGIST-IN-TRAINING FROM APPLICANTS WITH THE FOLLOWING QUALIFICATIONS.
NOTE: EACH CATEGORY LISTED BELOW IS DEEMED TO EQUATE WITH 4 YEARS OF EDUCATIONAL CREDIT.
- a) GRADUATES, OR STUDENTS IN THE FINAL UNDERGRADUATE SEMESTER IN A CURRICULUM OF GEOLOGY AT AN APPROVED SCHOOL OF SATISFACTORY STANDING WHOSE APPLICATIONS ARE ENDORSED BY THE DEAN OF THE COLLEGE OR DEPARTMENT HEAD OF A DIVISION.
 - b) GRADUATES OF SCIENCE RELATED SCHOOLS NOT RECOGNIZED BY THE THE BOARD AS OF SATISFACTORY STANDING, AND NON-GRADUATES IN RELATED FIELDS, HAVING AT LEAST TWO YEARS OF APPROVED GEOLOGICAL EDUCATIONAL CREDIT, AND IN ADDITION HAVING 3½ YEARS OF PRE-PROFESSIONAL EXPERIENCE OF WHICH ONE YEAR OF CREDIT MAY BE OF THE SUB-PROFESSIONAL LEVEL AS DEFINED BY RULE R4-30-03, WHOSE APPLICATIONS ARE ENDORSED BY A REGISTERED GEOLOGIST OR RELATED GEOPHYSICAL OR GEOLOGICAL ENGINEER WHO IS HIS CURRENT OR FORMER EMPLOYER.
 - c) APPLICANTS HAVING LITTLE OR NO EDUCATIONAL CREDIT WHO HAVE SIX YEARS OF PRE-PROFESSIONAL EXPERIENCE OF WHICH TWO YEARS MAY BE CREDIT OF THE SUB-PROFESSIONAL LEVEL AS DEFINED BY SECTION R4-30-03, WHOSE APPLICATIONS, ARE ENDORSED BY A REGISTERED GEOLOGIST OR RELATED GEOPHYSICAL OR GEOLOGICAL ENGINEER WHO IS HIS CURRENT OR FORMER EMPLOYER.

2. THE EXECUTIVE DIRECTOR MAY ADMIT QUALIFIED APPLICANTS TO THE GEOLOGIST-IN-TRAINING EXAMINATION CONSISTING OF EXAMINATION PREPARED BY THE BOARD ENTITLED, FUNDAMENTALS OF GEOLOGY IN 2 PARTS.
3. UPON SUCCESSFUL COMPLETION OF THE GEOLOGIST-IN-TRAINING EXAMINATIONS AND UPON RECEIPT OF TRANSCRIPTS FROM EDUCATIONAL INSTITUTIONS SUPPORTING EDUCATIONAL CREDITS, THE BOARD WILL CERTIFY APPLICANTS AS GEOLOGISTS-IN-TRAINING AND ISSUE A NUMBERED CERTIFICATE TO EACH APPLICANT.

B. REGISTRATION AS A PROFESSIONAL GEOLOGIST

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR REGISTRATION AS A PROFESSIONAL GEOLOGIST FROM APPLICANTS WHO HAVE THE FOLLOWING QUALIFICATIONS:
 - a) CERTIFIED GEOLOGISTS-IN-TRAINING, WHO HAVE AN ADDITIONAL 4 YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT IN GEOLOGY, GEOPHYSICS, GEOCHEMISTRY, GEOLOGICAL ENGINEERING OR OTHER GEOLOGICAL SCIENCE AS FURTHER DEFINED IN RULE R4-30-03. A GRADUATE DEGREE (M.S.-GEOLOGY) MAY SUBSTITUTE FOR ONE YEAR OF PRE-PROFESSIONAL EXPERIENCE.
 - b) GRADUATES (B.S.-GEOLOGY) OF AN APPROVED SCHOOL OF SATISFACTORY STANDING, WHO HAVE AN ADDITIONAL FOUR YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT IN GEOLOGY, GEOPHYSICS, GEOCHEMISTRY, GEOLOGICAL ENGINEERING OR OTHER GEOLOGICAL SCIENCE AS FURTHER DEFINED IN RULE R4-30-03. A GRADUATE DEGREE (M.S.-GEOLOGY) MAY SUBSTITUTE FOR ONE YEAR OF PRE-PROFESSIONAL EXPERIENCE.
 - c) QUALIFIED BY PRIOR REGISTRATION IN OTHER JURISDICTIONS UNDER THE PROVISIONS OF ARIZONA REVISED STATUTES ARS 32-126. THE STATUTE REQUIRES THAT REGISTRATION STANDARDS OF OTHER STATES, TO BE ACCEPTABLE, MUST BE SUBSTANTIALLY THE SAME AS ARIZONA STANDARDS.
 - d) ALL OTHER PERSONS SEEKING REGISTRATION TO PRACTICE GEOLOGY MUST BE CERTIFIED AS A GEOLOGIST-IN-TRAINING PRIOR TO FILING AN APPLICATION FOR REGISTRATION TO PRACTICE.
2. THE BOARD, AFTER EVALUATION OF EACH APPLICATION, INCLUDING SATISFACTORY REFERENCES AND COMPLETION OF THE BOARD'S CODE EXAMINATION AND REVIEW (PERSONAL AUDIENCE) WILL DETERMINE THE FURTHER REQUIREMENTS FOR REGISTRATION IN GEOLOGY, IN ACCORD WITH THE FOLLOWING RULES.
 - a) APPLICANTS FOR ORIGINAL "BASE STATE REGISTRATION" WILL BE HELD FOR GEOLOGY EXAMINATIONS PREPARED BY THE BOARD TITLED:

FUNDAMENTALS OF GEOLOGY - 2 PARTS - 8 HOURS
PRINCIPALS & PRACTICE OF GEOLOGY - 2 PARTS - 8 HOURS
 - b) THE BOARD GRANTS CREDIT FOR EXAMINATION PARTS PREVIOUSLY PASSED IN ARIZONA, AND FOR COMPARABLE EXAMINATIONS PASSED IN OTHER JURISDICTIONS.
 - c) THE BOARD MAY WAIVE THE FUNDAMENTALS OF GEOLOGY EXAMINATION FOR APPLICANTS WHO ARE GEOLOGY GRADUATES OF AN APPROVED SCHOOL OF SATISFACTORY STANDING AND WHO HAVE IN ADDITION TEN YEARS OF

PRE-PROFESSIONAL EXPERIENCE CREDIT IN GEOLOGY, GEOPHYSICS, GEOCHEMISTRY, GEOLOGICAL ENGINEERING OR OTHER GEOLOGICAL SCIENCE AS DEFINED UNDER RULE R4-30-03 AND HAVE DEMONSTRATED PROFESSIONAL COMPETENCE IN IMPORTANT GEOLOGICAL STUDIES.

3. THE BOARD WILL GRANT REGISTRATION TO PRACTICE GEOLOGY AND ISSUE NUMBERED CERTIFICATES TO THOSE APPLICANTS WHO SUCCESSFULLY COMPLETE THE EXAMINATION STANDARDS OF THE BOARD, AND
 - a) APPLICANTS WHO HOLD REGISTRATION CERTIFICATES IN OTHER STATES AND WHO HAVE MET THE EXAMINATION STANDARDS OF ARIZONA IN THE STATE OF THEIR BASE REGISTRATION, WILL BE REGISTERED WITHOUT FURTHER EXAMINATION.

Part 7. Add new Section R4-30-08 to read as follows:

R4-30-08 - STANDARDS OF EDUCATION, EXPERIENCE AND EXAMINATION TO QUALIFY AN APPLICANT FOR CERTIFICATION AS A LANDSCAPE ARCHITECT-IN-TRAINING AND FOR REGISTRATION AS A PROFESSIONAL LANDSCAPE ARCHITECT.

A. CERTIFICATION AS A LANDSCAPE ARCHITECT-IN-TRAINING

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR CERTIFICATION AS LANDSCAPE ARCHITECT-IN-TRAINING FROM APPLICANTS WITH THE FOLLOWING QUALIFICATIONS: NOTE: EACH CATEGORY BELOW IS DEEMED TO EQUATE TO 5 YEARS OF EDUCATIONAL CREDIT.
 - a) GRADUATES, OR STUDENTS IN THE FINAL SEMESTER, OF AN APPROVED SCHOOL OF LANDSCAPE ARCHITECTURE OF SATISFACTORY STANDING, WHOSE APPLICATION IS ENDORSED BY THE DEAN OF THE SCHOOL, OR PROFESSOR SERVING AS THE STUDENT'S 5TH YEAR ADVISOR.
 - b) GRADUATES OF OTHER SCHOOLS OF LANDSCAPE ARCHITECTURE NOT RECOGNIZED BY THE BOARD AS OF SATISFACTORY STANDING, WHO HAVE IN ADDITION ONE AND ONE-HALF YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH NOT MORE THAN ONE-HALF YEAR OF CREDIT MAY BE ON THE SUB-PROFESSIONAL LEVEL, AS DEFINED IN SECTION R4-30-03, WHOSE APPLICATION IS ENDORSED BY A REGISTERED LANDSCAPE ARCHITECT WHO IS HIS CURRENT OR FORMER EMPLOYER.
 - c) APPLICANTS FROM OTHER EDUCATIONAL BACKGROUNDS AND APPLICANTS WITH LIMITED EDUCATIONAL BACKGROUND WHO HAVE AT LEAST TWO YEARS OF EDUCATIONAL CREDIT IN THE FIELD OF LANDSCAPE ARCHITECTURE AND AN ADDITIONAL FOUR YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH ONE YEAR OF CREDIT MAY BE ON THE SUB-PROFESSIONAL LEVEL, AS DEFINED IN SECTION R4-30-03, WHOSE APPLICATION IS ENDORSED BY A REGISTERED LANDSCAPE ARCHITECT WHO IS HIS CURRENT OR FORMER EMPLOYER.
 - d) APPLICANTS WITH LITTLE OR NO EDUCATIONAL BACKGROUND WHO HAVE AT LEAST SIX YEARS OF PRE-PROFESSIONAL EXPERIENCE LEVEL, ALL AS DEFINED BY SECTION R4-30-03, WHOSE APPLICATION IS ENDORSED BY A REGISTERED LANDSCAPE ARCHITECT WHO IS HIS CURRENT OR FORMER EMPLOYER.

2. THE EXECUTIVE DIRECTOR MAY ADMIT QUALIFIED APPLICANTS TO THE LANDSCAPE ARCHITECT-IN-TRAINING EXAMINATIONS, CONSISTING OF PARTS A AND C OF THE UNIFORM NATIONAL EXAMINATION.
3. UPON SUCCESSFUL COMPLETION OF LANDSCAPE ARCHITECT-IN-TRAINING EXAMINATIONS AND UPON RECEIPT OF TRANSCRIPTS FROM APPLICABLE EDUCATIONAL INSTITUTIONS SUPPORTING EDUCATIONAL CREDIT, THE BOARD WILL CERTIFY APPLICANTS AS LANDSCAPE ARCHITECTS-IN-TRAINING (L.A.I.T.) AND GRANT A NUMBERED CERTIFICATE TO EACH APPLICANT.

B. REGISTRATION AS PROFESSIONAL LANDSCAPE ARCHITECT

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR REGISTRATION AS PROFESSIONAL LANDSCAPE ARCHITECT FROM APPLICANTS WHO HAVE THE FOLLOWING QUALIFICATIONS:
 - a) CERTIFIED LANDSCAPE ARCHITECTS-IN-TRAINING WHO HAVE AN ADDITIONAL THREE YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT AS DEFINED IN SECTION R4-30-03. AT LEAST ONE YEAR OF THE PRE-PROFESSIONAL EXPERIENCE REQUIREMENT SHALL BE EARNED UNDER THE DIRECT SUPERVISION OF A REGISTERED LANDSCAPE ARCHITECT IN ACTIVE PRACTICE.
 - b) GRADUATES OF AN APPROVED SCHOOL OF LANDSCAPE ARCHITECTURE OF SATISFACTORY STANDING, WHO HAVE AN ADDITIONAL THREE YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT AS DEFINED IN SECTION R4-30-03. AT LEAST ONE YEAR OF THE PRE-PROFESSIONAL EXPERIENCE REQUIREMENT SHALL BE EARNED UNDER THE DIRECT SUPERVISION OF A REGISTERED LANDSCAPE ARCHITECT IN ACTIVE PRACTICE.
 - c) QUALIFIED BY PRIOR REGISTRATION IN OTHER JURISDICTIONS UNDER THE PROVISIONS OF ARIZONA REVISED STATUTES (ARS) 32-126.
 - d) GRADUATES OF A SCHOOL OF LANDSCAPE ARCHITECTURE NOT RECOGNIZED BY THE BOARD AS OF SATISFACTORY STANDING WHO HAVE AT LEAST FOUR YEARS OF APPROVED EDUCATIONAL CREDIT, AND FOUR ADDITIONAL YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT AS DEFINED BY SECTION R4-30-03. AT LEAST ONE YEAR OF THE PRE-PROFESSIONAL EXPERIENCE REQUIREMENT SHALL BE EARNED UNDER THE DIRECT SUPERVISION OF A REGISTERED LANDSCAPE ARCHITECT IN ACTIVE PRACTICE.
 - e) ALL OTHER PERSONS SEEKING REGISTRATION TO PRACTICE LANDSCAPE ARCHITECTURE MUST BE CERTIFIED AS A LANDSCAPE ARCHITECT-IN-TRAINING PRIOR TO FILING AN APPLICATION FOR REGISTRATION TO PRACTICE.
2. THE BOARD, AFTER EVALUATION OF EACH APPLICATION INCLUDING SATISFACTORY REFERENCES AND COMPLETION OF THE BOARD'S CODE EXAMINATION AND REVIEW (PERSONAL AUDIENCE) WILL DETERMINE THE FURTHER REQUIREMENTS FOR REGISTRATION IN LANDSCAPE ARCHITECTURE, IN ACCORD WITH THE FOLLOWING RULES:

a) APPLICANTS FOR ORIGINAL "BASE STATE REGISTRATION" WILL BE HELD FOR THE LANDSCAPE ARCHITECTURAL EXAMINATIONS CONSISTING OF THE UNIFORM NATIONAL EXAMINATIONS (CLARB) TITLED:

- PART A - HISTORY - 1 HOUR
- PART B - PROFESSIONAL PRACTICE - 1 HOUR
- PART C - DESIGN - 9 HOURS
- PART D - DESIGN IMPLEMENTATION - 8 HOURS

b) THE BOARD GRANTS CREDIT FOR EXAMINATION PARTS PREVIOUSLY PASSED IN ARIZONA OR OTHER JURISDICTIONS.

3. THE BOARD WILL GRANT REGISTRATION TO PRACTICE AND ISSUE NUMBERED CERTIFICATES TO THOSE APPLICANTS WHO SUCCESSFULLY COMPLETE THE EXAMINATION STANDARDS OF THE BOARD, AND APPLICANTS WHO HOLD REGISTRATION CERTIFICATES IN OTHER STATES, WHO HAVE MET THE EXAMINATION STANDARDS OF ARIZONA IN THE STATE OF THEIR BASE REGISTRATION, AND ARE IN GOOD STANDING, WILL BE REGISTERED WITHOUT FURTHER EXAMINATION.

Part 8. Add new Section R4-30-09 reading as follows:

R4-30-09 - STANDARDS OF EDUCATION, EXPERIENCE, AND EXAMINATION TO QUALIFY AN APPLICANT FOR CERTIFICATION AS A LAND SURVEYOR-IN-TRAINING, AND FOR REGISTRATION AS A PROFESSIONAL LAND SURVEYOR.

A. CERTIFICATION AS A LAND SURVEYOR-IN-TRAINING

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR CERTIFICATION AS LAND SURVEYOR-IN-TRAINING FROM APPLICANTS WITH THE FOLLOWING QUALIFICATIONS:

a) POST SECONDARY EDUCATIONAL CREDIT (UNIVERSITY LEVEL) OF 2 OR MORE YEARS, INCLUDING AT LEAST 9 SEMESTER HOURS OF LAND SURVEYING AND 6 SEMESTER HOURS OF MATHEMATICS COURSES IN A CURRICULUM AND SCHOOL ACCEPTABLE TO THE BOARD OR CERTIFIED BY A NATIONAL ACCREDITING AGENCY, AND IN ADDITION TWO YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT OF WHICH ONE YEAR OF CREDIT MAY BE OF THE SUB-PROFESSIONAL LEVEL AS DEFINED BY RULE R4-30-03. APPLICANTS MAY SUBSTITUTE AN ADDITIONAL ONE AND ONE-HALF YEARS OF PRE-PROFESSIONAL EXPERIENCE CREDIT FOR ONE YEAR OF THE REQUIRED EDUCATIONAL CREDIT, BUT THE REQUIRED SEMESTER HOURS OF LAND SURVEYING AND MATHEMATICS WILL NOT BE WAIVED.

2. THE EXECUTIVE DIRECTOR MAY ADMIT QUALIFIED APPLICANTS TO THE LAND SURVEYOR-IN-TRAINING EXAMINATIONS CONSISTING OF NATIONAL STANDARD EXAMINATIONS (NCEE): TITLED;

FUNDAMENTALS OF LAND SURVEYING - 2 PARTS - 8 HOURS

3. UPON SUCCESSFUL COMPLETION OF THE LAND SURVEYOR-IN-TRAINING EXAMINATIONS AND UPON RECEIPT OF TRANSCRIPTS FROM EDUCATIONAL INSTITUTIONS SUPPORTING EDUCATIONAL CREDIT, THE BOARD WILL CERTIFY APPLICANTS AS LAND SURVEYORS-IN-TRAINING AND ISSUE A NUMBERED CERTIFICATE TO EACH APPLICANT.

B. REGISTRATION AS A PROFESSIONAL LAND SURVEYOR

1. THE EXECUTIVE DIRECTOR MAY ACCEPT APPLICATIONS FOR REGISTRATION AS A PROFESSIONAL LAND SURVEYOR FROM APPLICANTS WHO HAVE THE FOLLOWING QUALIFICATIONS:
 - a) CERTIFIED LAND SURVEYORS-IN-TRAINING WHO HAVE AN ADDITIONAL TWO YEARS OF PRE-PROFESSIONAL SURVEYING EXPERIENCE CREDIT OF WHICH AT LEAST ONE YEAR SHALL BE IN RESPONSIBLE CHARGE OF RE-TRACEMENT AND NEW LAND TITLE BOUNDARY SURVEYS UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR IN ACTIVE PRACTICE AS DEFINED IN RULE R4-30-03.
 - b) GRADUATES (B.S.) OF AN APPROVED SCHOOL OF SATISFACTORY STANDING IN A CURRICULUM EMPHASIZING LAND SURVEYING OR RELATED ENGINEERING AND MATHEMATICAL SCIENCE INCLUDING AT LEAST 15 SEMESTER HOURS OF LAND SURVEYING AND 12 SEMESTER HOURS OF MATHEMATICS COURSES, AND WHO HAVE AN ADDITIONAL TWO YEARS OF PRE-PROFESSIONAL SURVEYING EXPERIENCE CREDIT OF WHICH AT AT LEAST ONE YEAR SHALL BE IN RESPONSIBLE CHARGE OF RETRACEMENT AND NEW LAND TITLE BOUNDARY SURVEYS UNDER THE DIRECT SUPERVISION OF A REGISTERED LAND SURVEYOR IN ACTIVE PRACTICE AS FURTHER DEFINED IN RULE R4-30-03. APPLICANTS MAY SUBSTITUTE ONE ADDITIONAL YEAR OF PRE-PROFESSIONAL EXPERIENCE CREDIT FOR ONE YEAR OF THE 4 YEAR EDUCATIONAL DEGREE CREDIT.
 - c) QUALIFIED BY PRIOR REGISTRATION IN OTHER JURISDICTIONS UNDER THE PROVISIONS OF ARIZONA REVISED STATUTES (ARS) 32-126. THE STATUTE REQUIRES THAT REGISTRATION STANDARDS OF OTHER STATES, TO BE ACCEPTABLE, MUST BE SUBSTANTIALLY THE SAME AS ARIZONA STANDARDS.
 - d) ALL OTHER PERSONS SEEKING REGISTRATION TO PRACTICE LAND SURVEYING MUST BE CERTIFIED AS A LAND SURVEYOR-IN-TRAINING PRIOR TO FILING AN APPLICATION FOR REGISTRATION TO PRACTICE.
2. THE BOARD, AFTER EVALUATION OF EACH APPLICATION, INCLUDING SATISFACTORY REFERENCES AND COMPLETION OF THE BOARD'S CODE EXAMINATION AND REVIEW (PERSONAL AUDIENCE) WILL DETERMINE THE FURTHER REQUIREMENTS FOR REGISTRATION IN LAND SURVEYING, IN ACCORD WITH THE FOLLOWING RULES:
 - a) APPLICANTS FOR ORIGINAL "BASE STATE REGISTRATION" WILL BE HELD FOR THE NATIONAL STANDARD LAND SURVEYING EXAMINATIONS TITLED:

FUNDAMENTALS OF LAND SURVEYING - 2 PARTS - 8 HOURS
 PRINCIPALS AND PRACTICE OF LAND SURVEYING - 1 PART - 4 HOURS

AND THE PART IV EXAMINATION PREPARED BY THE BOARD TITLED:

LEGAL PRINCIPLES OF LAND SURVEYING - 4 HOURS
 - b) APPLICANTS QUALIFYING BY PRIOR REGISTRATION IN OTHER JURISDICTIONS WILL BE HELD FOR THE PART IV EXAMINATION PREPARED BY THE BOARD TITLED "LEGAL PRINCIPLES OF LAND SURVEYING". APPLICANTS

MAY REQUEST THAT THIS EXAMINATION BE PROCTORED FOR ARIZONA BY THE APPLICANT'S STATE BOARD.

- c) THE BOARD GRANTS CREDIT FOR EXAMINATION PARTS PREVIOUSLY COMPLETED SUCCESSFULLY IN ARIZONA, AND FOR EXAMINATIONS COMPARABLE TO THE NCEE EXAMINATION GIVEN BY OTHER JURISDICTIONS.
 - d) THE BOARD MAY WAIVE THE "FUNDAMENTALS OF LAND SURVEYING" EXAMINATION FOR APPLICANTS WHO ARE GRADUATES (B.S.) IN A LAND SURVEYING CURRICULUM OF AN APPROVED SCHOOL OF SATISFACTORY STANDING AND WHO HAVE IN ADDITION TEN YEARS OF PRE-PROFESSIONAL EXPERIENCE IN RESPONSIBLE CHARGE OF LAND SURVEYING BOUNDARY, SUB-DIVISION AND BOUNDARY RETRACEMENT SURVEYS AS DEFINED IN RULE R4-30-03.
3. THE BOARD WILL GRANT REGISTRATION TO PRACTICE LAND SURVEYING AND ISSUE NUMBERED CERTIFICATES TO THOSE APPLICANTS WHO SUCCESSFULLY COMPLETE THE EXAMINATION STANDARDS OF THE BOARD, AND
- a) APPLICANTS WHO HOLD REGISTRATION CERTIFICATES IN OTHER STATES AND WHO HAVE MET THE EXAMINATION STANDARDS OF ARIZONA IN THE STATE OF THEIR BASE REGISTRATION WILL BE REGISTERED ON SUCCESSFUL COMPLETION OF ARIZONA'S "LEGAL PRINCIPLES OF LAND SURVEYING" EXAMINATION.

Part 9. Add new Section R4-30-10 to read as follows:

R4-30-10 - EDUCATION, EXPERIENCE AND EXAMINATION STANDARDS APPLICABLE TO ALL DISCIPLINES.

a) REFERENCES

ALL APPLICANTS FOR REGISTRATION TO PRACTICE ARE REQUIRED TO FURNISH NAMES, ADDRESSES, AND POSITION OF FIVE REFERENCES, OF WHICH THREE SHOULD BE REGISTRANTS IN THE CLASSIFICATION FOR WHICH THE APPLICATION IS MADE, AND TWO WHO ARE, OR HAVE BEEN IMMEDIATE SUPERVISORS, WHO NEED NOT BE RESIDENTS OF ARIZONA, BUT MUST BE PERSONS WHOSE FITNESS TO JUDGE YOUR QUALIFICATIONS CAN BE ESTABLISHED BY THE BOARD.

b) REGISTRATION WITHOUT EXAMINATION

AN APPLICANT WHO HAS POSSESSED RECOGNIZED STANDING IN HIS PROFESSION MAY BE ISSUED A CERTIFICATE OF REGISTRATION UPON MEETING THE FOLLOWING REQUIREMENTS:

1. HE SHALL MEET A STANDARD OF EMINENCE CHARACTERIZED BY THE FOLLOWING:

- a. EXTENSIVE AND DIRECT INVOLVEMENT IN WORK IN WHICH A KNOWLEDGE OF THE MATHEMATICAL AND NATURAL SCIENCES GAINED BY STUDY, EXPERIENCE AND PRACTICE IS APPLIED WITH JUDGEMENT TO DEVELOP WAYS TO UTILIZE ECONOMICALLY THE MATERIALS AND FORCES OF NATURE FOR THE BENEFIT OF MANKIND. THIS IMPLIES

PERSONAL DECISIONS ON IMPORTANT TECHNICAL PROBLEMS BASED ON ACTUAL ANALYSIS AND DESIGN CONSIDERATIONS.

- b. CLEAR EVIDENCE OF NOTEWORTHY PERSONAL CONTRIBUTIONS TO IMPORTANT WORK IN THE APPLICANTS FIELD.
 - c. PROGRESSIVELY INCREASED RESPONSIBILITY LEADING TO DIRECTION OF OUTSTANDING PROFESSIONAL WORK, RECOGNIZED BY COLLEAGUES, INCLUDING A DIVERSIFIED GROUP OF REGISTERED PROFESSIONAL PEERS BEYOND THE RANGE OF HIS IMMEDIATE ASSOCIATES. WHILE MINIMUM LENGTH OF PRACTICE IS SPECIFIED, LONGEVITY IN ITSELF OR THE COMPETENT PERFORMANCE OF WORK IN ROUTINE OR REPETITIVE TYPE OF ASSIGNMENTS, SHALL NOT ALONE BE SUFFICIENT FOR THE PURPOSES OF THIS PROVISION.
2. HE SHALL HAVE A RECORD OF NOT LESS THAN TWENTY-FIVE YEARS OF PROFESSIONAL PRACTICE, OF WHICH AT LEAST TEN YEARS HAVE BEEN IN RESPONSIBLE CHARGE OF OUTSTANDING WORK IN THE DISCIPLINE APPLIED FOR.
 3. HE SHALL HAVE A FORMAL EDUCATIONAL BACKGROUND OF FOUR YEARS OR MORE AT THE UNIVERSITY LEVEL.
 4. HE SHALL SUBMIT EXHIBITS INDICATING LENGTH AND CHARACTER OF EXPERIENCE AND PRESENT SELECTED EXHIBITS OF OUTSTANDING ACCOMPLISHMENTS IN HIS FIELD TO A REVIEW COMMITTEE OF THE BOARD.

Part 10. Repeal Section R4-30-16 - Comprehensive Oral Examination, in its entirety.

Part 11. Amend Section R4-30-17 to read as follows, and add new Paragraph D.

R4-30-17 Personal Audience

- A. A personal audience will be required of all applicants in order to complete professional registration. The personal audience will consist of ~~an oral~~ and/or a written examination AND REVIEW OF 30 minutes duration ~~and will include questions~~ covering the Code and Rules of the State Board of Technical Registration. The personal audience will be given at a time and place convenient to the Evaluation Committee of the Board.
- B. (No Change)
- C. (No Change)
- D. THE BOARD MAY WAIVE THE CODE EXAMINATION REVIEW REQUIREMENT (PERSONAL AUDIENCE) FOR APPLICANTS QUALIFYING BY PRIOR REGISTRATION IN OTHER JURISDICTIONS, AND ARE IN GOOD STANDING IN THE BASE STATE OF THEIR REGISTRATION. APPLICANTS WHO ARE GRANTED A WAIVER OF THE PERSONAL AUDIENCE REVIEW SHALL COMPLETE THE BOARD'S CODE AND RULES EXAMINATION REQUIREMENT BY CORRESPONDENCE PRIOR TO BEING GRANTED REGISTRATION TO PRACTICE.

TUCSON SECTION, ARIZONA CHAPTER
AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS
P. O. BOX 27627 TUCSON, ARIZONA 85726

4722

August 22, 1980

State Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Attention: Mr. F. Mark Edson

RE: A.S.L.A. RECOMMENDATIONS FOR ADDITIONS TO 32-144 Exemption and Limitations.

Dear Mr. Chairman,

Upon request from the State Board of Technical Registration, the Arizona Chapter of the American Society of Landscape Architects as representatives of the registered landscape architects in Arizona, respectfully present our recommendations for additional exemptions and limitations in regard to the issue of landscape contractors engaging in design work.

Consistent with our views expressed in the recent Sunset Legislation Review Process, the landscape architects of Arizona have no desire to limit competition in the field of landscape design. However, we do seek to clarify and define the areas which directly involve the public health, safety, and welfare and therefore require registration. Pursuant to that goal, we present the following:

32-144 Exemptions and Limitations

A-3 Add the words "or site development plans" so as to read:

...or who design a single family dwelling or addition or alterations or site development plans to such dwelling.

A-6 (New Exemption) A contractor licensed pursuant to Classifications A-21, C-26, C-44, who provides their own drawings for their own construction activities provided that the drawings do not involve the use of public lands or public rights of way, whether dedicated or to be dedicated, through the development process, which involve issues of public health, safety, and welfare and further the drawings do not involve major site grading, site drainage, site structures, or site circulation patterns which are used by the public.

Sincerely,



Michael E. Bell, Chairman
Southern Arizona Section of the
American Society of Landscape Architects

cc: V. Calva, L. Brady, A. Gross, J. Harlow, D. Lambert



04723

Arizona Landscape Contractors' Association

P.O. Box 27312 Tempe, Arizona 85282 (602) 968-8179

Richard Lambert, Executive Director

October 8, 1980

RECEIVED
OCT 23 1980

Mr. Mark Edson
Executive Director
State Board of Technical Registration
1645 West Jefferson Street, Suite 315
Phoenix, Arizona 85007

Dear Mr. Edson:

This position letter is written in cooperation with your request for input from the Arizona Landscape Contractors' Association concerning landscape design practices in the State of Arizona.

The views of our Association on this matter are generally consistent with those of the Arizona Chapter of the American Society of Landscape Architects. We differ only in areas which have been established by historical precedent.

Contractors, nurserymen and designers have offered landscape design services to the general public in Arizona for many years. This practice has been acknowledged and well-accepted by homeowners as well as the construction industry we serve. It is unfortunate that an apparent definition oversight by the State Legislature should preclude these individuals from legally offering their design services.

Our Association recognizes and fully supports landscape architectural registration in Arizona, and we ask that the Board of Technical Registration also recognize the public need for landscape design services offered by the landscape contracting and nursery industry. To this end, we are submitting to the Board for consideration the following additions to ARS 32-144 Exemptions and Limitations:

A-3 Add the words, "or site development plans" so as to read: ...or who design a single family dwelling or addition or alterations or site development plans to such dwelling.

continued...

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A-6 (New Exemption) This Statute shall not be deemed to prohibit a contractor, nurseryman or designer from making landscape plans or drawings for projects which do not involve public funds, provided the title, "landscape architect," is not used by the contractor, nurseryman or designer.

Thank you for your consideration of the above proposal. Our Association stands ready to provide any further assistance we can to help the Board of Technical Registration. It is our hope that the 1980-'81 State Legislature will consider and act on this important matter during the next session.

Sincerely,

Craig C. Potter
President,
Arizona Landscape Contractors' Association

CC: Members, State Board of Technical Registration
ALCA General Membership



State of Arizona
BOARD OF TECHNICAL REGISTRATION

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1725

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

November 25, 1980

MEMORANDUM

TO: Wayne O. Earley, Chairman
Charles E. O'Bannon Vice-Chairman
Jimmie R. Nunn, Secretary
Silas C. Brown, Member
Hector C. Durand, Member
Patricia J. Finley, Member
Rod J. Gomez, Member
William S. Gookin, Member
John B. Riggs, Member

ATTN: Legislative Committee: Patricia Finley, Rod Gomez
Wayne O. Earley, John B. Riggs

FROM: Executive Director

SUBJECT: Land Surveyor Legislation

The attached draft of legislation from the Arizona Professional Land Surveyors Association is enclosed for your information.

The APLS Committee would like to have Board support for the change in the law. Please review and forward your comments to Mr. Gomez with copy to this office.

Attachment
ME:pw

Draft (Second Revision)
Folder #43
October 30, 1980

REFERENCE TITLE: land surveyors

State of Arizona
Senate
Thirty-fifth Legislature
First Regular Session
1981

4726

S.B. _____

Introduced by _____

AN ACT

RELATING TO PROFESSIONS AND OCCUPATIONS; PRESCRIBING DEFINITIONS OF LAND SURVEYOR, LAND SURVEYOR-IN-TRAINING AND PRACTICE OF LAND SURVEYING; PRESCRIBING QUALIFICATIONS OF APPLICANTS; PRESCRIBING CONDITIONS FOR ENGINEERS TO REGISTER AS LAND SURVEYORS, AND AMENDING SECTIONS 32-101 AND 32-122, ARIZONA REVISED STATUTES.

- 1 Be it enacted by the Legislature of the State of Arizona:
- 2 Section 1. Section 32-101, Arizona Revised Statutes, is amended to
- 3 read:
- 4 32-101. Purpose; definitions
- 5 A. The purpose of this chapter is to provide for the safety, health
- 6 and welfare of the public through the promulgation and enforcement of
- 7 standards of qualification for those individuals licensed and seeking
- 8 licenses pursuant to this chapter.
- 9 B. In this chapter, unless the context otherwise requires:
- 10 1. "Architect" means a person who, by reason of his knowledge of the
- 11 mathematical and physical sciences, and the principles of architecture and
- 12 architectural engineering acquired by professional education and practical
- 13 experience, is qualified to engage in the practice of architecture as
- 14 attested by his registration as an architect.
- 15 2. "Architect-in-training" means a candidate for registration as a
- 16 professional architect who is a graduate of a school approved by the board
- 17 as of satisfactory standing or who has experience as outlined in the
- 18 current standards of the national council of architectural registration
- 19 boards in architectural work of a character satisfactory to the board. In
- 20 addition, the candidate shall have successfully passed the examination in
- 21 the basic architectural subjects. Upon completion of the requisite years

1 of training and experience in the field of architecture under the
2 supervision of a professional architect satisfactory to the board, the
3 architect-in-training shall be eligible for the second stage of the
4 prescribed examination for registration as a professional architect.

5 3. "Architectural practice" means any service or creative work
6 requiring architectural education, training and experience, and the
7 application of the mathematical and physical sciences and the principles
8 of architecture and architectural engineering to such professional
9 services or creative work as consultation, evaluation, design and review
10 of construction for conformance with contract documents and design, in
11 connection with any building, planning or site development. A person shall
12 be deemed to practice or offer to practice architecture who in any manner
13 represents himself to be an architect, or holds himself out as able to
14 perform any architectural service or other services recognized by
15 educational authorities as architecture.

16 4. "Assayer" means a person who analyzes metals, ores, minerals,—
17 or alloys in order to ascertain the quantity of gold or silver or any other
18 substance present in them.

19 5. "Board" means the state board of technical registration.

20 6. "Engineer" means a professional engineer who, by reason of
21 special knowledge of the mathematical and physical sciences and the
22 principles and methods of engineering analysis and design, acquired by
23 professional education and practical experience, is qualified to practice
24 engineering as attested by his registration as a professional engineer.

25 7. "Engineering practice" means any professional service or
26 creative work requiring engineering education, training and experience and
27 the application of special knowledge of the mathematical, physical and
28 engineering sciences to such professional services or creative work as
29 consultation, research investigation, evaluation, planning, surveying,
30 design, location, development,— and review of construction for conformance
31 with contract documents and design, in connection with any public or
32 private utility, structure, building, machine, equipment, process, work or
33 project. Such services and work include plans and designs relating to the
34 location, development, mining and treatment of ore and other minerals. A
35 person shall be deemed to be practicing or offering to practice engineering
36 if he practices any branch of the profession of engineering, or by verbal
37 claim, sign, advertisement, letterhead, card or any other manner
38 represents himself to be a professional engineer, or holds himself out as
39 able to perform or does perform any engineering service or other service or
40 recognized by educational authorities as engineering. A person employed
41 on a full-time basis as an engineer by an employer engaged in the business
42 of developing, mining and treating ores and other minerals shall not be
43 deemed to be practicing engineering for the purposes of this chapter if he
44 engages in the practice of engineering exclusively for and as an employee
45 of such employer and does not hold himself out and is not held out as
46 available to perform any engineering services for persons other than his
47 employer. THE PRACTICE OF ENGINEERING SHALL NOT INCLUDE LAND SURVEYING
48 AS DEFINED IN THIS ACT.

49 8. "Engineer-in-training" means a candidate for registration as a
50 professional engineer who is a graduate in an approved engineering

1 curriculum of four years or more of a school approved by the board as of
2 satisfactory standing, or who has had four years or more of experience in
3 engineering work of a character satisfactory to the board, and, in
4 addition, has successfully passed the examination in the basic engineering
5 subjects, and who, upon completion of the requisite years of training and
6 experience in engineering under the supervision of a professional engineer
7 satisfactory to the board, is eligible for the second stage of the
8 prescribed examination for registration as a professional engineer.

9 9. "Geological practice" means any professional service or work
10 requiring geological education, training, and experience, and the
11 application of special knowledge of the earth sciences to such
12 professional services as consultation, evaluation of mining properties,
13 petroleum properties, and ~~ground-water~~ GROUNDWATER resources,
14 professional supervision of exploration for mineral natural resources
15 including metallic and nonmetallic ores, petroleum, and ~~ground-water~~
16 GROUNDWATER, and the geological phases of engineering investigations.

17 10. "Geologist" means a person, not of necessity an engineer, who by
18 reason of his special knowledge of the earth sciences and the principles
19 and methods of search for and appraisal of mineral or other natural
20 resources acquired by professional education and practical experience is
21 qualified to practice geology as attested by his registration as a
22 professional geologist. A person employed on a full-time basis as a
23 geologist by an employer engaged in the business of developing, mining or
24 treating ores and other minerals shall not be deemed to be engaged in
25 "geological practice" for the purposes of this chapter if he engages in
26 geological practice exclusively for and as an employee of such employer and
27 does not hold himself out and is not held out as available to perform any
28 geological services for persons other than his employer.

29 11. "Geologist-in-training" means a candidate for registration as a
30 professional geologist who is a graduate of a school approved by the board
31 as of satisfactory standing or who has had four years or more of experience
32 in geological work of a character satisfactory to the board. In addition,
33 the candidate shall have successfully passed the examination in the basic
34 geology subjects. Upon completion of the requisite years of training and
35 experience in the field of geology under the supervision of a professional
36 geologist satisfactory to the board, the geologist-in-training shall be
37 eligible for the second stage of the prescribed examination for
38 registration as a professional geologist.

39 12. "Landscape architect" means a person who, by reason of his
40 professional education, practical experience, or both, is qualified to
41 engage in the practice of landscape architecture as attested by his
42 registration as a landscape architect.

43 13. "Landscape architect-in-training" means a candidate for
44 registration as a professional landscape architect who is a graduate of a
45 school approved by the board as of satisfactory standing or who has had
46 four years or more of experience in landscape architectural work of a
47 character satisfactory to the board. In addition, the candidate shall have
48 successfully passed the examination in the basic landscape architectural

1 subjects. Upon completion of the requisite years of training and
 2 experience in the field of landscape architecture under the supervision of
 3 a professional landscape architect satisfactory to the board, the
 4 landscpae architect-in-training shall be eligible for the second stage of
 5 the prescribed examination for registration as a professional landscape
 6 architect.

7 14. "Landscape architectural practice" means the performance of
 8 professional services such as consultations, investigation,
 9 reconnaissance, research, planning, design, or responsible supervision in
 10 connection with the development of land and incidental water areas where,
 11 and to the extent that the dominant purpose of such services is the
 12 preservation, enhancement or determination of proper land uses, natural
 13 land features, ground cover and planting, naturalistic and esthetic
 14 values, the settings and approaches to buildings, structures, facilities,
 15 or other improvements, natural drainage and the consideration and the
 16 determination of inherent problems of the land relating to erosion, wear
 17 and tear, light or other hazards. This practice shall include the location
 18 and arrangement of such tangible objects and features as are incidental and
 19 necessary to the purposes outlined in this paragraph, but shall not include
 20 the making of cadastral surveys or final land plats for official recording
 21 or approval, nor mandatorially include planning for governmental
 22 subdivisions.

23 15. "Land surveyor" means a person who ~~engages in the practice of~~
 24 ~~surveying tracts of land for the determination of their correct locations,~~
 25 ~~areas, boundaries, and description, for the purpose of conveyancing and~~
 26 ~~recording, or for establishment or re-establishment of boundaries and~~
 27 ~~plotting of lands and subdivisions~~ IS A SPECIALIST IN THE TECHNIQUE OF
 28 MEASURING LAND, EDUCATED IN THE PRINCIPLES OF MATHEMATICS AND THE RELATED
 29 SCIENCES, EXPERIENCED IN THE APPLICATIONS OF THE PRINCIPLES OF MATHEMATICS
 30 AND THE RELATED SCIENCES, UNDERSTANDS THE RELEVANT REQUIREMENTS OF LAW FOR
 31 THE PRESENTATION OF ADEQUATE EVIDENCE RELATING TO PROPERTY DESCRIPTIONS
 32 AND THE SURVEYING OF REAL PROPERTY, ENGAGED IN THE PRACTICE OF LAND
 33 SURVEYING AND WHO HOLDS A VALID CERTIFICATE TO PRACTICE LAND SURVEYING IN
 34 THIS STATE.

35 16. "LAND SURVEYOR-IN-TRAINING" MEANS A CANDIDATE FOR REGISTRATION
 36 AS A PROFESSIONAL LAND SURVEYOR WHO IS A GRADUATE OF A SCHOOL APPROVED BY
 37 THE BOARD, OR WHO HAS HAD FOUR YEARS OR MORE OF EXPERIENCE IN LAND
 38 SURVEYING WORK OF A CHARACTER SATISFACTORY TO THE BOARD. IN ADDITION, THE
 39 CANDIDATE MUST SUCCESSFULLY PASS THE TWO PART EXAMINATION IN THE BASIC LAND
 40 SURVEYING TECHNIQUES. UPON COMPLETION OF THE REQUISITE YEARS OF TRAINING
 41 AND EXPERIENCE IN THE FIELD OF LAND SURVEYING, UNDER THE SUPERVISION OF A
 42 REGISTRANT OR A QUALIFIED EXEMPTED PERSON WHO IS SATISFACTORY TO THE BOARD,
 43 THE LAND SURVEYOR-IN-TRAINING IS ELIGIBLE FOR THE SECOND STAGE OF THE
 44 PRESCRIBED EXAMINATION FOR REGISTRATION AS A PROFESSIONAL LAND SURVEYOR.

45 17. "PRACTICE OF LAND SURVEYING" MEANS THE PERFORMANCE OR OFFERING
 46 TO PERFORM, EITHER IN PUBLIC OR PRIVATE CAPACITY, ANY ONE OR MORE OF THE
 47 FOLLOWING: THE MEASUREMENT OF LAND TO DETERMINE CORRECT AREA, CORRECT
 48 DESCRIPTION OR FOR CONVEYANCE; THE ESTABLISHMENT OR RE-ESTABLISHMENT OF

1 LAND BOUNDARIES AND THE PLATTING OF LANDS OR SUBDIVISIONS THEREOF; THE
 2 LOCATION, RELOCATION, ESTABLISHMENT OR RE-ESTABLISHMENT OF ANY RIGHT-
 3 OF-WAY OR EASEMENT, BY USE OF THE PRINCIPLES OF LAND SURVEYING; THE
 4 DETERMINATION OF THE POSITION OF ANY MONUMENT OR REFERENCE POINT WHICH
 5 MARKS A PROPERTY LINE, BOUNDARY OR CORNER; THE SETTING, RESETTING OR
 6 REPLACING OF ANY SUCH MONUMENT OR REFERENCE POINT FOR THE PURPOSE OF
 7 DETERMINING CORRECT AREA OF LAND, CORRECT DESCRIPTION OF LAND, OR FOR
 8 CONVEYANCING. ADDITIONALLY, THE PRACTICE OF LAND SURVEYING MAY INCLUDE
 9 THE ACT OF MEASURING, LOCATING, ESTABLISHING OR RE-ESTABLISHING CORNERS,
 10 LINES, BOUNDARIES, ANGLES, ELEVATIONS, CONTOURS AND NATURAL MAN-
 11 MADE FEATURES IN THE AIR, ON THE SURFACE OF THE EARTH, WITHIN UNDER-
 12 GROUND WORKINGS AND ON THE BEDS OF BODIES OF WATER, INCLUDING TOPOGRAPHY
 13 AND THE PREPARATION AND PERPETUATION OF MAPS, PLATS, FIELD NOTE RECORDS
 14 AND LAND DESCRIPTIONS THAT REPRESENT SUCH SERVICE OR WORK. THE PRACTICE
 15 OF LAND SURVEYING DOES NOT INCLUDE THE DESIGN, EITHER IN WHOLE OR IN PART
 16 OF ANY STRUCTURE OR FIXED WORKS EMBRACED IN THE PRACTICE OF PROFESSIONAL
 17 ENGINEERING. THIS PARAGRAPH SHALL NOT BE CONSTRUED TO PROHIBIT A LICENSED
 18 ENGINEER, ARCHITECT OR LANDSCAPE ARCHITECT FROM DOING ANY WORK INCLUDED
 19 IN HIS RESPECTIVE PRACTICE IF SUCH WORK DOES NOT INVOLVE THE ESTABLISHMENT
 20 OR RE-ESTABLISHMENT OF PROPERTY CORNERS OR PROPERTY LINES OR THE WRITING
 21 OF LAND DESCRIPTIONS.

22 Sec. 2. Section 32-122, Arizona Revised Statutes, is amended to
 23 read:

24 32-122. Qualifications of applicant

25 A. An applicant for registration as an architect, engineer, geologist,
 26 ~~or~~ landscape architect OR LAND SURVEYOR shall be of good moral character
 27 and repute, and shall have engaged actively for at least eight years in
 28 architectural, engineering, geological, ~~or~~ landscape architectural OR LAND
 29 SURVEYING education and experience which meets standards specified by the
 30 board in its rules and regulations, but each year of teaching architectural,
 31 engineering, geological, ~~or~~ landscape architectural OR LAND SURVEYING
 32 subjects or of study satisfactorily completed in an architectural,
 33 engineering, geological, ~~or~~ landscape architectural OR LAND SURVEYING
 34 school approved by the board up to a maximum of five years may be con-
 35 sidered equivalent to one year of active engagement.

36 B. An applicant for registration as an assayer ~~or a land surveyor~~
 37 shall be of good moral character and repute and shall have engaged actively
 38 for at least six years in assaying ~~or land surveying~~ education and
 39 experience which meets standards specified by the board in its rules and
 40 regulations, but each year of teaching assaying ~~or land surveying~~ or of
 41 study satisfactorily completed in a school approved by the board, up to a
 42 maximum of four years, may be considered equivalent to one year of active
 43 engagement.

44 Sec. 3. Current registrants

45 A. ANY REGISTERED PROFESSIONAL ENGINEER OR AN ENGINEER EXEMPT UNDER
 46 SECTION 32-144, ARIZONA REVISED STATUTES, WHO HAS ACTIVELY PRACTICED LAND
 47 SURVEYING AS DEFINED IN SECTION 32-101, ARIZONA REVISED STATUTES, MAY,
 48 WITHIN TWELVE MONTHS OF THE EFFECTIVE DATE OF THIS ACT, APPLY TO THE
 49 BOARD FOR REGISTRATION AS A LAND SURVEYOR.

1 1. IF THE APPLICANT HAS PRACTICED LAND SURVEYING AS
2 DEFINED HEREIN FOR A PERIOD IN EXCESS OF TEN YEARS, THE
3 APPLICANT SHALL BE REQUIRED TO COMPLETE THE STANDARD
4 APPLICATION FORM AND SHALL ATTEST TO HIS HISTORY OF
5 INVOLVEMENT IN THE PRACTICE OF LAND SURVEYING. UPON
6 REVIEW AND ACCEPTANCE BY THE BOARD, THE APPLICANT SHALL
7 BE REGISTERED AS A LAND SURVEYOR.

8 2. IF THE APPLICANT HAS PRACTICED LAND SURVEYING AS
9 DEFINED HEREIN FOR A PERIOD LESS THAN TEN YEARS, BUT IN
10 EXCESS OF TWO YEARS, HE SHALL SUBMIT EVIDENCE OF SUCH
11 PRACTICE WHICH MEETS STANDARDS SPECIFIED BY THE BOARD
12 AND UPON REVIEW AND ACCEPTANCE THEREOF, SHALL BE
13 REGISTERED TO PRACTICE LAND SURVEYING. IF, IN THE
14 BOARD'S ESTIMATION THE EVIDENCE PRESENTED IS NOT
15 SUFFICIENT TO ALLOW REGISTRATION, THE BOARD MAY REQUIRE
16 THE APPLICANT TO SUCCESSFULLY COMPLETE A PORTION OR
17 PORTIONS OF THE LAND SURVEYOR EXAMINATION.

18 3. IF THE APPLICANT HAS BEEN ~~REGISTERED~~ TO PRACTICE
19 LAND SURVEYING AS HEREIN DEFINED FOR A PERIOD OF TWO YEARS
20 OR LESS, THEN THE APPLICANT SHALL BE REQUIRED TO COMPLETE THE
21 EXAMINATION FOR LAND SURVEYOR AS PRESCRIBED BY THE BOARD.

22 4. NOTWITHSTANDING THE CONDITIONS SPECIFIED ABOVE,
23 IF THE APPLICANT HAS LEGALLY PRACTICED LAND SURVEYING IN
24 OTHER STATES OF A QUALITY AND FOR A PERIOD THAT WOULD
25 ALLOW HIM TO RECEIVE GREATER CONSIDERATION AS SPECIFIED
26 IN SECTION A-1 AND A-2 ABOVE, THEN THE BOARD MAY ACCEPT
27 THAT APPLICANT FOR REGISTRATION AS THEREIN DEFINED.

28 WITHIN TWENTY-FOUR MONTHS OF THE EFFECTIVE DATE OF
29 THIS ACT, AN APPLICANT MUST SUCCESSFULLY COMPLETE ALL
30 STATUTORY AND BOARD IMPOSED REQUIREMENTS.

31 B. A REGISTERED PROFESSIONAL ENGINEER WHO IS ALSO AN APPLICANT
32 FOR REGISTRATION AS A LAND SURVEYOR SHALL NOT PRACTICE LAND SURVEYING
33 AS DEFINED IN SECTION 32-101, ARIZONA REVISED STATUTES, BEYOND TWENTY-
34 FOUR MONTHS FROM THE EFFECTIVE DATE OF THIS ACT WITHOUT BEING REGISTERED
35 AS A LAND SURVEYOR.

36 Sec. 4. INFENT REGARDING TERMINATION

37 NOTWITHSTANDING THE PROVISIONS OF THIS ACT, THE LEGISLATURE
38 INTENDS THAT IF THE PROVISIONS OF TITLE 41, CHAPTER 20, ARIZONA RE-
39 VISED STATUTES, OPERATE TO TERMINATE AN AGENCY, ANY PROVISIONS RE-
40 GARDING POWERS, DUTIES, FUNCTIONS OR PERSONNEL ADDED OR AMENDED BY
41 THIS ACT TERMINATE ON THE DATE OF TERMINATION OF THE PARTICULAR AGENCY.

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION

Board of Technical Registration

Architectural Evaluation and Registration Committee

Evaluation of Applicants

The Architectural Evaluation Committee met October 17, 1960 and
November 7, 1960 in Phoenix, Arizona with the following proposals:

1. Section 32-102, A.R.S. is amended to read:
2. 32-102. Board of technical registration
3. A. There shall be a state board of technical registration consist-
4. ing of nine TWELVE members appointed by the governor. Two THREE
5. members shall be architects, three FIVE shall be professional
6. engineers, two of which shall be representatives of branches of
7. engineering other than civil engineering and be registered in that
8. branch pursuant to this chapter, one shall be a public member, and
9. the remaining members shall be a landscape architect, a geologist
10. or an assayer, and a land surveyor.
11. B. Upon the expiration of any of the terms a successor, qualified
12. pursuant to subsection A, shall be appointed for a full term of
13. three FOUR years. The governor may remove a member of the board
14. for misconduct, incapacity or neglect of duty. Appointment to fill
15. a vacancy caused other than by expiration of term shall be for the
16. unexpired portion of the term.

Adams, Ernest S.	32-102	Prof. Exam/Section 1
Anderson, Joe Phillip	32-401	Prof. Exam/Section 4
Arbuckle, Kenneth Clayton	32-628	Prof. Exam/Section 5
Burkhead, Joseph Henry	32-461	Prof. Exam/Section 2
Brace, Thomas Francis	32-567	Prof. Exam/Section 3
Day, Dale Edward	32-391	Prof. Exam/Section 1, 2, 3, 4
Dickson, Ira J.	32-508	Prof. Exam/Section 1
Hoffa, Fred B.	32-381	Prof. Exam/Section 2
Jenkins, Richard Alfred	32-672	Prof. Exam/Section 4, 5

TO: Board of Technical Registration
 FROM: Architectural Evaluation and Examination Committee
 SUBJECT: Evaluation of Applicants

The Architectural Evaluation Committee met October 17, 1980 and November 7, 1980 in Phoenix, Arizona with the following present:

October 17 - Nunn, Earley
 November 7 - Nunn, O'Bannon

There being a quorum present at all times, the committee held personal audience interviews and considered other items of Board business and makes recommendations to the Board as indicated.

1. The following applicants having appeared before the committee and satisfied the committee that they are fully qualified (including the treatise on seismic forces) to receive architectural registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

Amado, Albert Manuel	80-454	Luedtke, Charles William	80-389
Barakonski, John L.	80-280	McDowell, Jesse Newton	80-460
Beuc, Rudolph Jr.	80-697	Mackay, Jocelyn Andrew Dan	80-475
Boberg, Sherwood Elroy	80-323	Paterson, Gary Alexander	80-572
Bogatay, Todd Cunningham	80-277	Phillips, Robert Duane	80-406
Bruder, Joseph P.	80-476	Pieper, Norbert Wells	80-748
Butts, Clark Forest	80-706	Rydeen, James Edward	80-678
Cain, Harry	80-621	Sawyer, Stephen Jack	80-472
Cartell, Richard Paul	80-477	Spangler, Micheal Edward	80-590
Eagle, Walter E.	80-290	Swallow, George Albert	80-607
Grimes, Kenneth Everett	80-480	Tarlos, John R.	80-537
Hornecker, Wendell E.	80-658	Trouton, John S.	80-696

2. The following applicants, having appeared before the committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.B), and it is recommended to the Board that these individuals be held for written examinations in December 1980 and June 1981:

Adams, Vincent S.	80-580	Prof. Exam/Section B
Anderson, Jon Phillip	80-461	Prof. Exam/Sections A,B
Bartels, Kenneth Clayton	80-628	Prof. Exam/Section B
Bartlett, Joseph Henry	80-661	Prof. Exam/Section B
Brown, Thomas Francis	80-567	Prof. Exam/Section B
Cox, Dale Edward	80-397	Prof. Exam/Sections A,B
Dankberg, Ira J.	80-568	Prof. Exam/Section B
Duffy, Kevin D.	80-388	Prof. Exam/Section B
Ebrahim, Mohamed Afzal	80-672	Prof. Exam/Sections A,B

Eglin, Evan Sar	80-550	Prof. Exam/Section B
Fortney, Dorian Fey	80-643	Prof. Exam/Sections A,B
Fredrikson, Douglas Wayne	80-637	Prof. Exam/Sections A,B
Gajdarus, Carl 2nd.	80-481	Prof. Exam/Section B
Harrison, Richard Kurland	80-674	Prof. Exam/Sections A,B
Himmelberger, Douglas Ralph	80-451	Prof. Exam/Section B
Jackson, Michael Allen	80-238	Qualifying Test;Prof. Exam/Sections A, and Section B after passing qualifying exam
Kesler, Gerald R. Jr.	80-618	Qualifying Test;Prof. Exam/Section A, and Section B after passing qualifying exam
Kilby, Neil James	80-644	Prof. Exam/Sections A, Section B after passing Prof. A
Kimoto, Jon Stanley	80-271	Prof. Exam/Sections A,B
King, Gary Duane	80-657	Prof. Exam/Sections A,B
Lamb, Gary Allen	80-640	Prof. Exam/Section B
Linneen, Dave F.	80-399	Prof. Exam/Section B
Martin, Gregg Alan	80-639	Prof. Exam/Section B
Milburn, Michael Wayne	80-453	Prof. Exam/Section B
Nelson, Steven George	80-625	Qualifying Test;Prof. Exam/Section B after passing Qualifying exam.
Ong, Curtis Dean	80-642	Prof. Exam/Section B
Pea, Wayne A.	80-504	Prof. Exam/Section B
Ray, Duane Phillip	80-560	Prof. Exam/Sections A,B
Roubound, Anthony Lee	80-551	Prof. Exam/Sections A,B
Sager, Irwin Dale	80-629	Prof. Exam/Sections A,B
Schulz, Bradley D.	80-605	Prof. Exam/Section A,B
Sebring, Ronald Day	80-627	Prof. Exam/Section A
Steill, Roger Wallace	80-591	Prof. Exam/Section B
Stein, Morris Aaron	80-592	Prof. Exam/Section B
Stickley, Martin Allen	80-465	Prof. Exam/Sections A,B
Todd, Gary Daniel	80-514	Prof. Exam/Section B
Todd, Stephen Randall	80-619	Prof. Exam/Section B
Tom, Richard Fe	80-538	Prof. Exam/Section B
Trzos, Thaddeus Victor	80-675	Prof. Exam/Sections A,B
Tyndall, Joseph Anthony	80-673	Prof. Exam/Section B
Umberger, Martin Scot	80-656	Prof. Exam/Section B
Vinson, Mark Clay	80-746	Prof. Exam/Section B
Wald-Hopkins, William David	80-509	Prof. Exam/Section B
Willcox, Jared D.	80-716	Prof. Exam/Section A, Section B on passing Section A
Wong, Rodin Yin Leung	80-638	Prof. Exam/Section B

Architectural Evaluation Committee Report-Cont'd

- 3. The following applicants appeared before the Committee, and it was determined that their applications should be denied for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A, with a refund as shown:

Porter, Marley Ervin	80-506	\$10.00
Schmitt, Daniel L.	80-589	\$10.00
Slife, Curtis Leo	80-698	\$10.00

- 4. The following applicants should be denied registration with neither prejudice nor refund at their own request.

Childs, David Magie	80-456
Doerschlag, Wolfgang	80-105
Lang, Jeremy P.	80-291
Lund, Richard Alfred	80-409
Markling, Gregory James	80-550
Phillips, W. Irving	80-569
Vogel, Stephen P.	80-536

- 5. The following applicants should be denied registration for failure to complete the requirements of the Board within a reasonable length of time.

Heinz, Thomas	79-595
Hope, Patrick T.	80-237
Odell, William Robinson	79-680
Ruppel, Dennis Lee	78-519
Suetholz, Gerald L.	79-565

TO: Board of Technical Registration
 FROM: Landscape Architectural Evaluation Committee
 SUBJECT: EVALUATION OF APPLICANTS

The Landscape Architectural Evaluation Committee met October 17, 1980 and November 14, 1980 in Phoenix, Arizona with the following present:

- October 17 - Earley, Nunn
- November 14 - Earley, Gookin, Durand

The Committee reviewed the following applicants and makes to the Board the recommendations shown, regarding registration in Arizona.

1. The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S.32-123.A and A.R.S.32-126, are hereby recommended for registration:

Elwood, David Buck	80-600
Veri, Albert Richard	80-645
Wittwer, Gary Dene	80-239

2. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123. B), and it is recommended to the Board that these individuals be held for examinations as indicated:

Veinus, Janine N.	80-015	UNE, Parts ABCD
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TO: Board of Technical Registration.
 FROM: Engineering Evaluation Committee
 SUBJECT: Evaluation of Applicants

The Committee met October 9 and 10, 1980 and November 13 and 14, 1980 in Phoenix, Arizona with the following present:

October 9 - Gookin, Earley
 October 10 - Gomez, Riggs
 November 13 - O'Bannon, Durand, Riggs
 November 14 - Gookin, Durand, Earley

The Committee reviewed the following applicants and makes to the Board the recommendations shown regarding registration in Arizona.

- The following applicants, having appeared before the Committee and having satisfied the Committee that they are fully qualified to receive registration in Arizona under A.R.S. 32-123.A and A.R.S. 32-126, are hereby recommended for registration:

CHEMICAL ENGINEERING

Miller, Kalman Joseph 80-297

CIVIL ENGINEERING

Bernier, James T. 80-189
 Biermann, Robert Gale 80-690
 Bourque, Richard Hubert 80-520
 Boyle, Jerry D. 80-341
 Chappell, Thomas Warren 80-687
 Cornelio, Priscilla Sawyer 80-442
 Fernandez, Emilio 80-463
 Fuscoe, Patrick Reed 80-308
 Greenlee, Richard M. 80-422
 Hill, John V. 80-421
 Hughes, Emmet Clinton 80-417
 Jones, Timothy Melvin 80-473
 Kunze, Lutz 80-213
 Lammers, Thomas Ralph 80-598
 Manderfield, Peter D. 80-359
 Mathieson, Mark Owen 80-633
 Nessler, Roland A. 80-393
 Price, Ronald E. 80-626
 Prouty, Leslie Jean 80-610
 Renshaw, Richard Wolfard 80-518
 Sabay, Eufrazio R. 80-508
 Shigemura, Akira 80-437
 Smith, Robert Shafer 80-511

CIVIL ENGINEERING-Cont'd

Smith, Stanley Leroy, Jr. 80-416
 Stockwell, Joe 80-339
 Szekely, Zsolt John 80-380
 Warren, Lyle Duane 80-419
 West, Robin G. 80-439
 Wingert, Dean Frederick 80-691
 Zeiss, William James 80-392
 Zubi, M. Adnan 80-585

ELECTRICAL ENGINEERING

Brett, Edwin Darrah 80-602
 Burtnett, Billy Lee 80-412
 Danupatampa, Ekachai 80-386
 Gilmer, David Lawrence 80-287
 Harding, William Ted 79-572
 Ho-Kwong Li, Charles 80-336
 McInturff, Ben B., Jr. 80-527
 Neff, Bernard Edgar 80-374
 Ormsby, Harold Clifford, Jr. 80-156
 Wall, Richard E. 80-364

MECHANICAL ENGINEERING

Anderson, Marvin Duane 80-446
 Brown, Will Kenneth, Jr. 80-554
 Croft, Terry Dale 80-503
 Eisenhower, Jack Frederick 80-603
 Funkhouser, Donald Lyle 80-459

MECHANICAL ENGINEERING-Cont'd

Honer, Frank	80-496
Jansen, Bruce Robert	80-479
Key, Adrian Hal	80-525
Koenig, Adolfo Eugenio	80-335
Lemme, Charles D.	80-348
Lisi, Edmund Terrance	80-252
Martin, Daniel Thomas	80-670
Pedotto, Vincent A.	80-501
Peitsch, Alan	80-732
Schwartz, Henry A.	80-294
Summers, Charles Joseph	80-665
Trapp, William E., Jr.	80-415
Wentz, Curtis H.	80-664
Woodson, Riley D.	80-349
Young, Chi Tsuen	80-647

MINING ENGINEERING

Avner, Richard M.	80-425
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STRUCTURAL ENGINEERING

Bergstrom, Richard Norman	80-688
Cryan, John J.	80-543
Gramza, Stanley T., Jr.	80-692
Hanif, Chaudri M.	80-612
Hartwell, Richard	80-636
Kostal, Kenneth Thomas	80-489
Rurka, Steve	80-432

2. The following applicants, having appeared before the Committee for a personal audience interview, need demonstration of additional evidence of their proficiency (A.R.S. 32-123.B), and it is recommended to the Board that these individuals be held for examinations as indicated:

AERONAUTICAL ENGINEERING

Irwin, William George Carson	80-329	Parts 1,2,3,4
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ASSAYING

Aboud, George M.	80-579	Parts 1 & 2
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CIVIL ENGINEERING

Allison, Robert Craig	80-583	Parts 3 & 4
Allocco, David R.	80-635	Parts 3 & 4
Best, Joel Eugene	80-519	Parts 3 & 4
Byall, Robert G.	80-333	Parts 3 & 4
Carroll, William B., Jr.	80-548	Parts 3 & 4
Carthew, Geoffrey Allen	80-650	Parts 3 & 4
Collings, William Edward	80-424	Parts 3 & 4
Dabney, Charles Pope, Jr.	80-371	Parts 3 & 4
Dunbar, Mark Lawrence	80-556	Parts 3 & 4
Friedhoff, Bruce John	80-521	Parts 1,2,3,4
Haskins, Alison L.	80-394	Parts 3 & 4

CIVIL ENGINEERING-Cont'd

Hopps, Sigmond Timothy	80-484	Parts 1,2,3,4
Johnson, David Francis	80-500	Parts 1,2,3,4
Johnson, Peter Alan	80-469	Parts 3 & 4
McCarthy, Mark P.	80-549	Parts 3 & 4
Marum, Michael J.	80-595	Parts 3 & 4
Owen, Robert Lawson	80-486	Parts 3 & 4
Palmer, Keith W.	80-577	Parts 3 & 4
Phelan, Thomas J. III	80-418	Parts 1,2,3,4
Pidskalny, Robert Andrew	80-522	Parts 1,2,3,4
Russell, Jerry Stanley	80-423	Parts 3 & 4
Scofield, Larry Allan	80-547	Parts 3 & 4
Smith, Leo Robert	80-563	Parts 3 & 4
Spinar, Ronald Dale	80-226	Parts 3 & 4
Teran, Antonio E.	80-373	Parts 3 & 4
Willson, James Mitchell	80-596	Parts 3 & 4

ELECTRICAL ENGINEERING

Beatty, Harvey Bair	80-494	Parts 3 & 4
Dykstra, Robert Gary	80-593	Parts 1,2,3,4
Fredrickson, Stanley A.	80-535	Parts 3 & 4
Gartner, Arthur E., Jr.	80-526	Parts 1,2,3,4
Hiltman, Robert Charles	80-447	Parts 3 & 4
Potter, W. Stuart	80-630	Parts 3 & 4
Reagan, John A.	80-571	Parts 3 & 4
Ross, Everett C.	80-16	Parts 1,2,3,4
Sizemore, James Dixon	80-414	Parts 3 & 4
Stanton, Theodore Cornelius	80-403	Parts 3 & 4
Tobias, Bernard Stanislaus	80-502	Parts 1,2,3,4
Wortham, Jimmie J.	80-699	Parts 1,2,3,4

GEOLOGIST

Galey, Jimmy Lynn	80-243	Parts 3 & 4
Long, Michael Roy	80-516	Parts 1,2,3,4
Niccoli, Mary Ann	80-512	Parts 3 & 4
Turner, Terry Michael	80-378	Parts 3 & 4
Wilson, Robert Terry	80-427	Parts 1,2,3,4

LAND SURVEYING

Backer, Gary Lee	80-158	Part 4
Barrie, Donald M.	80-441	Part 4
Bautista, Melvin F.	80-631	Part 4
Bunger, Evert D.	80-575	Parts 1,2,3,4
Carleton, Linwood A., Jr.	80-429	Part 4
Chavez, Gilbert	80-346	Part 4
Delbridge, Randy Scott	80-377	Parts 1,2,3,4
Gomeau, George Joseph	80-318	Parts 1 & 2 - 3 & 4 on passing 1 & 2
Haennelt, Hugh Harry	80-428	Part 4
Jeffries, Jerry Lemon	80-321	Part 4
Knudson, Richard Lee	80-533	Parts 1,2,3,4
LeMon, Thomas G.	80-90	Parts 1 & 2 - 3 & 4 on passing 1 & 2

continued...

LAND SURVEYING-Cont'd

Meddaugh, Daniel Leonard	80-594	Parts 1,2,3,4
Muncy, Charles William	80-92	Part 4
Osburn, Andrew H.	80-327	Parts 1,2,3,4
Reed, Jeffrey Alan	80-462	Parts 1,2,3,4
Rogers, James Wesley	80-143	Part 4
Stone, Ross Edward	80-320	Part 4
Williams, Stephen H.	80-574	Parts 1,2,3,4

MECHANICAL ENGINEERING

Howeth, Michael L.	80-524	Parts 3 & 4
Kim, Hui Kun	80-366	Parts 3 & 4
Kluger, Michael A.	80-534	Parts 3 & 4
Snow, Gene H.	80-449	Parts 1,2,3,4
Warkomski, James Norris	80-623	Parts 3 & 4

METALLURGICAL ENGINEERING

Edmiston, Kenneth James	80-330	Parts 1,2,3,4
Gale, Donald Charles	80-586	Parts 3 & 4

MINING ENGINEERING

McIntosh, Scott Lester	80-566	Parts 3 & 4
Roggenthen, Robert L.	80-135	Parts 3 & 4

NUCLEAR ENGINEERING

Andognini, G. Carl	80-653	Parts 3 & 4
Rashid, Peter Joseph	80-355	Parts 3 & 4

SANITARY ENGINEERING

Pontius, Dennis W.	80-440	Parts 3 & 4
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STRUCTURAL ENGINEERING

Asaud, Samuel	80-436	Parts 5 & 6
Barker, Robert Edwin	80-490	Parts 5 & 6
Christoph, Frank Joseph	80-611	Parts 5 & 6
Feeney, Jeffrey J.	80-464	Parts 5 & 6
Holmes, Donald Maurice	80-345	Parts 5 & 6
Keenan, Brooks Andrew	80-557	Parts 3,4,5,6
Martin, Andrew Francis	80-443	Parts 5 & 6
Pearson, Richard Steven	79-753	Parts 5 & 6
Phillips, Courtney B. III	80-435	Parts 5 & 6
Ratay, Robert T.	80-616	Parts 5 & 6
Seinuk, Ysrael Abraham	80-542	Parts 5 & 6
Selberg, Les Paul	80-530	Parts 5 & 6
Singh, Hardip	80-546	Parts 3,4,5,6
Stanley, Hollie Moore, Jr.	80-613	Parts 5 & 6
Turley, Richard Dean	80-561	Parts 3,4,5,6
Tychowski, Christopher Roman	80-531	Parts 5 & 6

continued...

3. The Committee reviewed the files of the following applicants; and having determined that all requirements for in-training registration have been completed, recommends the following applicants for in-training registration:

ENGINEER-IN-TRAINING

Barber, Dennis A.	78-201	Perry, Howard R.	80-46
Buschmeyer, Stephen Victor	79-251	Picarello, Ralph Anthony Jr.	80-39
Coash, Melvin (Jack) L.	77-195	Seubert, Stuart H.	78-251
Compton, Kevin M.	79-197	Shovestull, Shane Douglas	80-111
Crotwell, Stephen Martin	78-107	Simons, Bryce P.	80-68
Dooley, William T.	80-13	Sims, Greg Scott	80-71
Dubois, Wilbur Chapman III	80-26	Smith, Charles Rand	79-226
Harvey, Bruce John	80-38	Tadano, Richard Shiro	78-260
Huffaker, Mona Kay	79-240	Tantalean, David Guillermo	80-116
Hutton, Rosalind	79-159	Thomas, Terrance Michael	77-169
Kaplan, Paul	80-74	Vasquez, Albert	80-131
Kinder, Eric	80-72	Walsh, Charles W.	80-31
Osterberg, David Arthur	77-59	Wilson, Dexter	78-172
Perry, Donald R.	80-41	Windisch, Donald A.	79-103
Curtis, Dennis W.J.	79-156		

4. The following applicants appeared before the Committee, and it was determined that their applications should be denied for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A, with a refund as shown:

Dresden, Larry Ray	80-682	\$10.00
Geary, Robert Garland	80-587	\$5.00
Miller, Harold Y.	80-654	\$10.00
Truitt, Darrell D.	80-404	\$10.00
Riddle, Jeffrey Robert	80-576	\$10.00

5. The following applicants should be denied registration with neither prejudice nor refund at their own request.

Bertolini, William A.	80-024
Williams, James Michael	80-247

6. The following applicants should be denied registration for failure to complete the requirements of the Board within a reasonable length of time.

Adams, Timothy Kenneth	79-187 (EIT)
Beeks, Jay Cooper	79-180 (EIT)
Bunts, John Edward	79-68

continued....

Engineering Evaluation Committee Report-Cont'd

04712

- 6. Cole, Frederick Jr., Jr. 79-196 (EIT)
- Conner, Steven James 79-147 (EIT)
- Crowell, Richard Elliott 79-509
- Dayyo, Betty 79-113 (EIT)
- Dreveniak, Theodore John 79-510
- Easter, Jack A. 78-176
- Earnhart, Mark C. 79-237 (EIT)
- Fairweather, Robert Kenneth 78-156 (EIT)
- Flath, Herbert William 80-52 (Deceased)
- Gill, Harold E. 79-4 (GIT)
- Goldfarb, Barry Alan 79-144 (EIT)
- Gonsalves, Randall F. 79-204 (EIT)
- Goodrich, James Allen 79-492
- Graves, Ronald Lee 80-194
- Greene, Jack 77-407
- Hatfield, Thomas W. 79-169 (EIT)
- Hewlett, Phillip Edward 79-205 (EIT)
- Hinderer, Grant Kelly 78-19 (EIT)
- Lawson, Timothy 79-172 (EIT)
- Malmo, Lee Allan 79-124 (EIT)
- Papp, Jenó Sandor 80-179
- Raymond, William J., Jr. 79-221 (EIT)
- Seal, Virgil Larry 79-102
- Seitz, Forrest Scott 79-249 (EIT)
- Smith, Richard Kirk 79-47
- Stewart, Paul William. 79-227 (EIT)
- Tadych, Gregory M. 79-228 (EIT)
- Taft, William R. 79-229 (EIT)
- Thumann, Leonard E. 79-229
- Williams, William Thomas 79-230 (EIT)

7. 80-363 -Bay, Herbert E., Mechanical Engineer

File referred to Board for evaluation and recommendation. Record sheet is attached shown on p. _____.

APPLICANT'S RECORD SHEET

(26)

4743

Name Bay, Herbert E.

Age 59

No. 80-363 ✓
Date Rec'd 6/6/80 ✓

Business Address

Arizona State University
Tempe, AZ 85281

Proficiency Requested (branch)

Architect Prof. Engr. Mechanical
 Assayer Land Surveyor
 Geologist Landscape Architect

EDUCATION

No degree
 Transcripts Verified
 Accredited Program

1) IL Inst. of Technology ✓ BS ME 2/3/43
Years University Degree Date

2) _____
Remarks: Credit 4 Yrs.

EXPERIENCE (See Summary on Reverse Side)

37 Years + 4 Years (Education credit) = 41 Years (Education and Experience)

PROFESSIONAL QUALIFICATIONS

PRIOR Registration in State of Illinois ✓ 9/1/46 ✓ by State Date

Written Examination _____ Hrs.
(See Exam Detail Reverse Side)

Education & Experience
 Other Grandfathers Clause ✓

NCARB Cert # _____
NCEE Record # _____
CLARB Record # _____

Other Registrations
by _____
by _____
by _____

Seismic Qualification
Treatise to _____
Seminar Credit fr _____

IN-TRAINING QUALIFICATIONS (AZ Residents Only)

Exams AIT EIT GIT LAIT _____ Hrs.
State _____ Cert # _____ Date _____

NO Exams - Experience And/or Education only

REFERENCE SUMMARY 4 Reg. 1 Non-Reg.

1. Non-Reg.-F.J. Ferraro/Well qualified. Better than average. Uses good engrg. judgement & very ethical.
2. Reg.-F.J. Klazura/Thoroughly competent in all aspects of mechanical engrg. Ethics were beyond reproach & communication & leadership were excellent.
3. Reg.-C. Boling/Believe he meets all the requirements & recommend him very highly.
4. Reg.-J. Wise/Highly qualified.
5. Reg.-A.R. Garrett/Has had wide experience in various construction & administrative positions. Believe him to be thoroughly qualified.

(QUESTION) APPLICANT ON UNDERSTANDING OF ARS 32-142

COMMENDATION

Personal Audience _____ Waived _____ Held _____ Date _____

COMMITTEE DECIDE IF EXAMS SHOULD BE WAIVED - 37 > 25
Grant registration per ARS 123.A on Professional Qualifications shown above.
Grant registration per ARS 123.B on passing examinations or submitting Seismic qualifications initiated below. Next examination series begins _____

REFERRED TO THE BOARD WITH NO RECOMMENDATIONS

Exam	1	A	2	B	3	C	4	D	5	6	Seismic
Exam		A		B							

any registration per ARS 123.C for Lack of yrs. satisfactory experience.
Failure to complete requirements of Board.

Dir Aug 11/12/80 Committee [Signature] Board Confirmation _____
Date _____ Date _____ Minute Pg. _____

anted Professional registration as _____ on _____ (Date) 53
the page _____, and assigned registration no. _____

Examinations Completed - Examination State

In training

Professional

NCARB EXAMS

Exam G Date

- 36 Hr. C, D, E, F, G, H, I.
- 20 Hr. Equivalency A, B, C, D, E.
- 20 Hr. Qualifying A, B, C, D, E.
- 8 Hr. Qualifying A, B, C, D.
- 16 Hr. Professional I, II, III, IV.
- 12 Hr. Professional A (Design)

III-CLARB EXAMS

Date

- 20 Hr. UNE A, B, C, D, I
- Hr.

IV - STATE EXAMS

- Hr.
- Hr.

II- NCEE EXAMS

- 8 Hr. Fundamentals of Engrg. AM, PM.
- 8 Hr. Principals & Practice AM, PM.
PE Branch
- 8 Hr. LS Fundamentals AM, PM.
- 4 Hr. LS Principals, Practice AM,

V - NO EXAMS

- Education and Experience
- Other - Grandfathers Clause

SEISMIC QUALIFICATION

- WESCARB State
- Exam G After Dec., 65 Yes No
- Prof. Exam after 1974 Yes No
- Seminar - State Date

- Treatise filed w/ State Date
- Treatise req'd by Arizona Rec'd Apprv'd Date Date

1942-1946: US Navy/Engr. Officer/Res. for maint. & operations of steam turbine powered ships.
 1946-1950: Pioneer Service & Engrg. Co./Proj. Engr./Engaged in des. of public utility electric generating stations.
 1950-1952: Robert E. Hattis Co./Proj. Engr./Engaged in des. of heat., ventilation & air conditioning systems.
 1952-1966: Libby, McNeill & Libby/Mgr. Process Engrg./In chg. of 6 engr. doing work in major disciplines assoc. with new plant const.
 1966-1968: A.G. McKee Engr/Constructor/Proj. Mgr. & Staff Consultant/Involv. in feasibility studies, engrg. & const. of food plants.
 1971-1974: Keebler Co./Proj. Mgr./Involv. in const. of new plants, warehouses, process line expansion, waste disposal.
 1974-1977: AC McKee/ Proj. Mgr./Same as above.
 1977-present: ASU/ Asst. VP for Physical Facilities/Managing dept. consisting of 7 engr./arch. five proj. coord. & tradesman in 11 shops, air conditioning, electrical, plumbing, carpenters, painters, grounds, custodial, keys, warehouse, movers, central plant.

REGISTRATIONS DENIED

04745

It was moved by _____ and seconded by _____ that the applicants listed below be denied registration for lack of experience of a character satisfactory to the Board under A.R.S. 32-122.A with refunds as shown.

Dresden, Larry Ray	80-682-Land Surveyor	\$10.00
Geary, Robert Garland	80-587-Electrical Engr.	\$ 5.00
Miller, Harold Y.	80-654-Land Surveyor	\$10.00
Porter, Marley Ervin	80-506-Architect	\$10.00
Riddle, Jeffrey Robert	80-576-Civil Engr.	\$10.00
Schmitt, Daniel L.	80-589-Architect	\$10.00
Slife, Curtis Leo	80-698-Architect	\$10.00
Truitt, Darrell D.	80-576-Land Surveyor	\$10.00

It was moved by _____ and seconded by _____ that the applicants listed below be denied with neither prejudice nor refund at their own request.

Bertolini, William	80-024-Structural Engineer
Childs, David Magie	80-145-Architect
Doerschlag, Wolfgang	80-105-Architect
Lang, Jeremy P.	80-291-Architect
Lund, Richard Alfred	80-409-Architect
Markling, Gregory James	80-550-Architect
Phillips, W. Irving	80-569-Architect
Vogel, Stephen P.	80-536-Architect
Williams, James Michael	80-247-Structural Engineer

It was moved by _____ and seconded by _____ that the applicants listed below be denied for failure to complete the requirements of the Board within a reasonable length of time.

Adams, Timothy Kenneth	79-187 (EIT)
Beeks, Jay Cooper	79-180 (EIT)
Bunts, John Edward	79-68
Cole, Frederick Jr.	79-196 (EIT)
Conner, Steven James	79-147 (EIT)
Crowell, Richard Elliott	79-509
Dayyo, Betty	79-113 (EIT)
Dreveniak, Theodore John	79-510
Easter, Jack A.	78-176
Earnhart, Mark C.	79-237 (EIT)
Fairweather, Robert K.	78-156 (EIT)
Flath, Herbert William	80-52 (Deceased)
Gill, Harold E.	79-4 (GIT)
Goldfarb, Barry Alan	79-144 (EIT)
Gonsalves, Randall F.	79-204 (EIT)
Goodrich, James Allen	79-492
Graves, Ronald Lee	80-194
Greene, Jack	77-407

continued....

Hatfield, Thomas W. 79-169 (EIT)
 Heinz, Thomas 79-595
 Hewlett, Phillip E. 79-205 (EIT)
 Hinderer, Grant Kelly 78-19 (EIT)
 Hope, Patrick T. 80-237
 Lawson, Timothy 79-172 (EIT)
 Malmo, Lee Allan 79-124 (EIT)
 Odell, William R. 79-680
 Papp, Jenő Sandor 80-179
 Raymond, William J., Jr. 79-221 (EIT)
 Ruppel, Dennis Lee 78-519
 Seal, Virgil Larry 79-102
 Seitz, Forrest Scott 79-249 (EIT)
 Smith, Richard Kirk 79-47
 Stewart, Paul William 79-227 (EIT)
 Suetholz, Gerald L. 79-565
 Tadych, Gregory M. 79-228 (EIT)
 Taft, William R. 79-229 (EIT)
 Thumann, Leonard E. 79-229
 Williams, William T. 79-230 (EIT)

Wagner, Joseph Everett 1324
 Wawchuk, Russell E. 1324
 Weeks, Charles William 1324
 Whelan, James Herbert 1324
 White, Joseph Andrew 1324
 Williams, Gary Alexander 1324
 Williams, Robert Luke 1324
 Wilson, Henry Wells 1324
 Young, James Edward 1324
 Zeman, Thomas Jack 1324
 Ziemler, Michael Edward 1324
 Zillman, George Albert 1324
 Zoller, John E. 1324
 Zouren, John E. 1324
 Zouren, Charles Anthony 1324

MECHANICAL ENGINEERS

Wagner, David Paul 1324
 White, Albert Stanley 1324
 Wilson, Gary Wayne 1324

METALLURGICAL ENGINEERS

White, Brian Joseph 1324

CIVIL ENGINEERS

Burton, James T. 1324
 Blumstein, Robert Dale 1324
 Bunker, Richard K. 1324
 Burke, Jerry G. 1324
 Campbell, Thomas W. 1324
 Condit, Elizabeth S. 1324
 Fernandez, Emilio 1324
 Fawcett, Patrick G. 1324
 Greenberg, Abraham M. 1324
 Hill, John V. 1324
 Kaplan, David L. 1324
 Jones, Timothy A. 1324
 Kohn, Louis 1324
 Labadie, Thomas E. 1324
 Macdonald, Peter G. 1324
 Matheson, Mark G. 1324
 McLaughlin, Edward A. 1324
 Price, Donald E. 1324
 Remy, Lucille J. 1324
 Schaefer, Richard W. 1324
 Selby, Edmund R. 1324
 Shimmery, James 1324
 Smith, Robert L. 1324
 Smith, Stanley J., Jr. 1324
 Starbuck, Joe 1324
 Sweeney, David J. 1324
 Warren, Louis E. 1324
 Welch, Leslie G. 1324
 Wiegert, Joseph F. 1324
 Zelen, William J. 1324
 Zoller, R. John 1324

ELECTRICAL ENGINEERS

White, Leslie Bernard 1324
 Whitcomb, Billy Lee 1324

ARCHITECT

Amado, Albert Manuel	13336
Barakonski, John L.	13337
Beuc, Rudolph Jr.	13338
Boberg, Sherwood Elroy	13339
Bogatay, Todd Cunningham	13340
Bruder, Joseph P.	13341
Butts, Clark Forest	13342
Cain, Harry	13343
Cartell, Richard Paul	13344
Eagle, Walter E.	13345
Grimes, Kenneth Everett	13346
Hornecker, Wendell E.	13347
Luedtke, Charles William	13348
McDowell, Jesse Newton	13349
Mackay, Jocelyn Andrew Dan	13350
Paterson, Gary Alexander	13351
Phillips, Robert Duane	13352
Pieper, Norbert Wells	13353
Rydeen, James Edward	13354
Sawyer, Stephen Jack	13355
Spangler, Micheal Edward	13356
Swallow, George Albert	13357
Tarlos, John R.	13358
Trouton, John S.	13359
Cheung, Douglas Chi-Hung	13433

LANDSCAPE ARCHITECT

Elwood, David Buck	13360
Veri, Albert Richard	13361
Wittwer, Gary Dene	13362

CHEMICAL ENGINEER

Miller, Kalman Joseph	13363
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CIVIL ENGINEER

Bernier, James T.	13364
Biermann, Robert Gale	13365
Bourque, Richard H.	13366
Boyle, Jerry D.	13367
Chappell, Thomas W.	13368
Cornelio, Priscilla S.	13369
Fernandez, Emilio	13370
Fusco, Patrick R.	13371
Greenlee, Richard M.	13372
Hill, John V.	13373
Hughes, Emmet C.	13374
Jones, Timothy M.	13375
Kunze, Lutz	13376
Lammers, Thomas R.	13377
Manderfield, Peter D.	13378
Mathieson, Mark O.	13379
Nesslinger, Roland A.	13380
Price, Ronald E.	13381
Prouty, Leslie J.	13382
Renshaw, Richard W.	13383
Sabay, Eufracio R.	13384
Shigemura, Akira	13385
Smith, Robert S.	13386
Smith, Stanley L. Jr.	13387
Stockwell, Joe	13388
Szekely, Zsolt J.	13389
Warren, Lyle D.	13390
West, Robin G.	13391
Wingert, Dean F.	13392
Zeiss, William J.	13393
Zubi, M. Adnan	13394

ELECTRICAL ENGINEER

Brett, Edwin Darrah	13395
Burnett, Billy Lee	13396

ELECTRICAL ENGINEER

Danupatampa, Ekachai	13397
Gilmer, David Lawrence	13398
Harding, William T.	13399
Ho-Kwong Li, Charles	13400
McInturff, Ben B., Jr.	13401
Neff, Bernard Edgar	13402
Ormsby, Harold C., Jr.	13403
Wall, Richard E.	13404

MECHANICAL ENGINEER

Anderson, Marvin D.	13405
Brown, Will Kenneth Jr.	13406
Croft, Terry D.	13407
Eisenhower, Jack F.	13408
Funkhouser, Donald L.	13409
Honer, Frank	13410
Jansen, Bruce R.	13411
Key, Adrian Hal	13412
Koenig, Adolfo E.	13413
Lemme, Charles D.	13414
Lisi, Edmund T.	13415
Martin, Daniel T.	13416
Pedotto, Vincent A.	13417
Peitsch, Alan	13418
Schwartz, Henry A.	13419
Summers, Charles J.	13420
Trapp, William E. Jr.	13421
Wentz, Curtis H.	13422
Woodson, Riley D.	13423
Young, Chi Tsuen	13424

MINING ENGINEER

Avner, Richard M.	13425
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STRUCTURAL ENGINEER

Bergstrom, Richard N.	13426
Cryan, John J.	13427
Gramza, Stanley T., Jr.	13428
Hanif, Chaudri M.	13429
Hartwell, Richard	13430
Kostal, Kenneth T.	13431
Rurka, Steve	13432

CASH FLOW ANALYSIS

BASED ON FINANCIAL STATEMENTS FOR THE YEAR ENDING 6/30/80, APPROXIMATELY \$50,000,000

ITEM	AMOUNT	PERCENT	CUMULATIVE
<u>ENGINEER-IN-TRAINING</u>			
Barber, Dennis A.	2340		
Buschmeyer, Stephen Victor	2341		
Coash, Melvin (Jack) L.	2342		
Compton, Kevin M.	2343		
Crotwell, Stephen Martin	2344		
Dooley, William T.	2345		
Dubois, Wilbur Chapman III	2346		
Harvey, Bruce John	2347		
Huffaker, Mona Kay	2348		
Hutton, Rosalind	2349		
Kaplan, Paul	2350		
Kinder, Eric	2351		
Osterberg, David Arthur	2352		
Perry, Donald R.	2353		
Perry, Howard R.	2354		
Picarello, Ralph Anthony, Jr.	2355		
Seubert, Stuart H.	2356		
Shovestull, Shane Douglas	2357		
Simons, Bryce P.	2358		
Sims, Greg Scott	2359		
Smith, Charles Rand	2360		
Tadano, Richard Shiro	2361		
Tantalean, David Guillermo	2362		
Thomas, Terrance Michael	2363		
Vasquez, Albert	2364		
Walsh, Charles W.	2365		
Wilson, Dexter	2366		
Windisch, Donald A.	2367		
Curtis, Dennis W.J.	2368		

ARCHITECT-IN-TRAINING

Hubbard, Joseph A.	347
Johnson, Faye E.	348

COMMENT: SYSTEM APPEARS TO BE STABLE THRU 6/30/80

CASH FLOW ANALYSIS

14750 Fund

11/23/80

BASED ON RENEWAL Fee of \$30/yr, APPLICATION Fee of \$50 STATE \$100 OUT OF STATE

DATE	ITEM	CREDIT	DEBIT	BALANCE
<u>1980-81</u>	Fund Balance 6/30/80			93,218
	Less adm adjustment 7980		5,000	
	1980-81 Revenue	352,200		440,418
	1980-81 appropriation		210,800	229,618
Feb-81	Supplemental approp.		96,100	133,518
<u>1981-82</u>	Fund Bal 6/30/81			133,518
7/1/80	1 st QTR approp allotment		89,875	43,643
9/1/80	1 st QTR Revenue	75,250		118,893
	Revenue Balance	225,750		344,643
	approp Balance		269,625	75,018
<u>1982-83</u>	Fund Bal 6/30/82			75,018
	82-83 Revenue	399,450		474,468
	appropriation @ 8% growth		388,300	86,168
<u>1983-84</u>	Fund Bal 6/30/83			86,168
	83-84 Revenue	467,420		553,588
	appropriation @ 8% growth		419,400	134,188
<u>1984-85</u>	Fund Bal 6/30/84			134,188
	84-85 Revenue	424,800		558,988
	appropriation @ 8% growth		452,900	106,088
<u>1985-86</u>	Fund Balance 6/30/85			106,088
	85-86 Revenue	461,500		567,588
	appropriation @ 8% growth		489,100	78,488

COMMENT: SYSTEM APPEARS TO BE STABLE THRU 6/30/86
 CALCS are based on growth rate of 5% / yr
 in Registration & Examination & 8% / yr in
 in Expenditure.

SUMMARY OF EXPENDITURES AND BUDGET REQUESTS

APPENDIX "B"

Agency Bd of TECHNICAL REGISTRATION

Program 1980-81 BUDGET SUPPLEMENTAL APPROPRIATION REQUEST

Expenditure Classification	(1) 1980-81 BUDGET DEFICIT	(2) ADDITIONAL SUPPLEMENTAL ITEMS	(3) TOTAL SUPPLE- MENTARY REQUEST	BOARD	(4) RECOMMENDATIONS	(5) RECOMMENDATIONS	FINAL AMOUNT
FTE POSITIONS	5.5	10.0	10.0				
PERSONAL SERVICES	8,000	28,300	36,300 *				
EMPLOYEE RELATED EXPENDITURES	-	6,000	6,000				
PROFESSIONAL & OUTSIDE SERV.	7,600	21,500	29,100				
TRAVEL - STATE	-	1,500	1,500				
TRAVEL - OUT OF STATE	-	-	-				
OTHER OPERATING EXPENDITURES	9,400	9,000	18,400				
FOOD	-	-	-				
EQUIPMENT	-	4,800	4,800				
SUB-TOTAL	25,000	71,100	96,100				
OTHER							
.							
TOTAL APPROPRIATED							
ADD FEDERAL FUNDS							
ADD OTHER FUNDS							
TOTAL PROGRAM							

* AMENDED TO CONFORM W/ STAFF PLAN II 3 MINUTES OF NOV 21
 PERM SERVICES INCLUDE 4 MONTHS OF OPERATIONS SO SIFY.

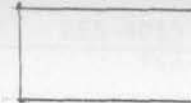
TECHNICAL REGISTRATION BOARD STAFF

6

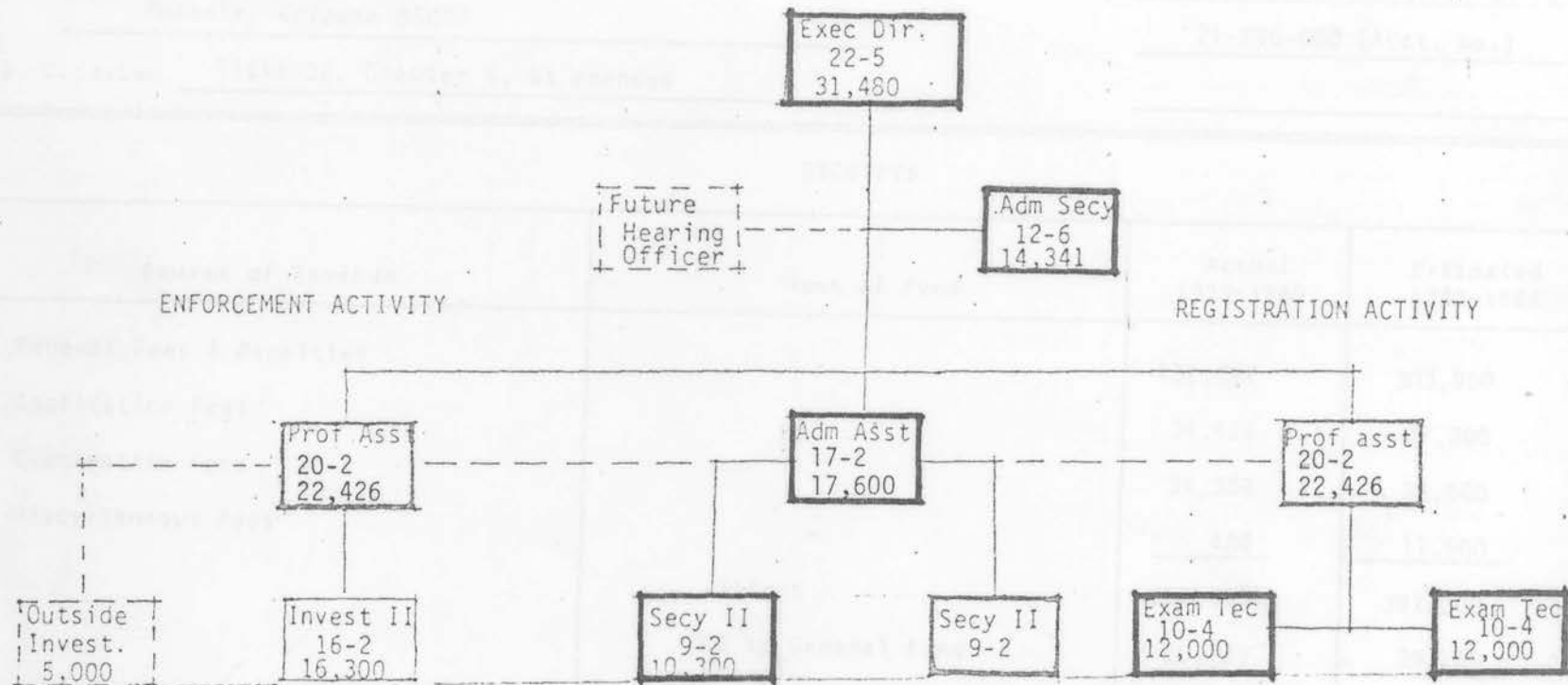
PERSONELL SCHEME II - 10 Full Time Employees - Salary plus related expense \$198,500



Denotes existing staff positions



Denotes additional positions the Board has recommended to implement the mandate of ARS Chapter 250, 1980 session laws. (Sunset Review)



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STATE OF ARIZONA
BUDGET REQUEST FOR THE FISCAL YEAR 1981-1982

Budget Request Approved By _____ Signature _____ Chairman of the Board _____ Title _____ Date _____
 Budget Request Prepared By F. Mark Edson, Executive Director _____ 255-4053 _____
 _____ Phone _____

Agency Board of Technical Registration Fund Sources 90/10 Agency - A.R.S. 32-109
 Address 1645 W. Jefferson, Suite 315 _____ Technical Registration Fund
Phoenix, Arizona 85007 _____ 21-396-000 (Acct. No.)
 A.R.S. Citation Title 32, Chapter 1, as amended _____

RECEIPTS

Source of Revenue	Name of Fund	Actual 1979-1980	Estimated 1980-1981	Estimated 1981-1982
Renewal Fees & Penalties	-	132,092	303,800	231,200
Application Fees	-	34,425	37,300	60,500
Examination Fees	-	34,388	38,600	42,300
Miscellaneous Fees	-	488	11,600	500
	Totals	201,393	391,300	334,500
	10% to General Fund	20,139	39,100	33,500
	90% to Tech Reg Fund (Acct 21-396-000)	181,254	352,200	301,000

*Start of Triennial Renewal System
(A.R.S. 32-127)

STATE OF ARIZONA
SOURCE AND DISPOSITION OF FUNDS

Agency Board of Technical Registration

SOURCE OF FUNDS		1979-1980	1980-1981	1981-1982
Balance Forward From Prior Year (Specify) Tech Reg Fund 21-396-000		78,924	93,218	234,618
General Fund Appropriation				
Other Appropriated Funds (Specify)				
90% of Tech Reg Board receipts (from Schedule 1)		181,254	352,200	301,000
Federal Funds				
Other Unappropriated Funds (Specify)				
TOTAL		250,178	445,418	535,618
DISPOSITION OF FUNDS				
Expenditures				
Land, Buildings and Improvements				
Other (Specify) appropriation		172,100	210,800	359,500
Amount Reverted		(5,140)	-	-
Balance Forward to Next Year		93,218	234,618	176,118
TOTAL		250,178	445,418	535,618

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STATE OF ARIZONA
SUMMARY OF EXPENDITURES AND BUDGET REQUESTS

Agency Board of Technical Registration

Program Registration, Enforcement & Peer Review

Expenditure Classification	(1) Actual Expenditures 1979-1980	(2) Estimated Expenditures 1980-1981	(3) Increase (Decrease)	EBO Use Only	(4) Program Change	EBO Use Only	(5) Request 1981-1982	Recommend 1981-1982
FTE POSITIONS	4	5.5	//////////		2.5		8	
PERSONAL SERVICES	63,463	91,300	3,450		85,550		180,300	
EMPLOYEE RELATED EXPENDITURES	10,492	15,800	600		14,800		31,200	
PROFESSIONAL & OUTSIDE SERV.	47,320	37,300	3,800		10,400		51,500	
TRAVEL - STATE	4,300	2,200	2,000		4,500		14,700	
TRAVEL - OUT OF STATE	3,600	5,000	500		-		5,500	
OTHER OPERATING EXPENDITURES	37,252	44,500	5,250		17,550		67,300	
FOOD								
EQUIPMENT	444	6,000	(5,400)		5,700		6,300	
SUB-TOTAL	166,960	208,100	10,200		138,500		356,800	
OTHER *pd. out. on 79-80 comm.		2,700					2,700	
Reverted to Tech Reg Fund . . .	5,140							
TOTAL APPROPRIATED	172,100	210,800	10,200		138,500		359,500	
ADD FEDERAL FUNDS								
ADD OTHER FUNDS								
TOTAL PROGRAM								

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Revised 11/25/80

SCHEDULE 3
Page No. 4

11755

MINUTES OF MEETING AND
PROBATION ENFORCEMENT COMMITTEE

STATE BOARD OF TECHNICAL REGISTRATION

A meeting of the Board's Probation Enforcement Committee was held at 4:00 p.m., October 24, 1980 at the offices of the State Board of Technical Registration, 1845 W. Jefferson, Suite 315, Phoenix, Arizona.

The attached Enforcement Committee draft of minutes from the October 24, 1980, meeting is for guidance only.

Neither Mr. Edson, nor Mr. Walters attended this meeting, and Ms. Ojeda is no longer on the staff.

This draft will be completed for permanent record, citing findings, legal citations, etc.

Executive Director recommends they be referred for completion.

- John E. Kiper
- Charles E. O'Brien
- Shirley C. Brown
- F. Mark Edson
- James A. Walters

UNFINISHED BUSINESS

1. 8017-79 - DIB VS. DAVID E. LEWIS, (CIVIL #7913)

Mr. Lewis was present to answer questions. Mr. Lewis claimed he did not document everything he said Mr. Black, proceeded as work did not document changes. Original documentation was vague as to the specific work to be done.

The Committee recommends to the Board that a letter of censure be sent to David E. Lewis. He did not communicate properly with Mr. Black. That a letter of censure be sent to Lewis on this matter.

2. 8152-78 - MIE VS. GEORGE MICHAEL (CIVIL) Seq. #11156

There is no record of any technical documents to indicate Michael's work is not up to standards. There is no evidence Mr. Michael's is any way attempting to do with the Henry's Patent and Inventions, which is out of our realm.

FME:pw
12/04/80

DRAFT

MINUTES OF MEETING #80-P6

PHOENIX ENFORCEMENT COMMITTEE

ARIZONA STATE BOARD OF TECHNICAL REGISTRATION

A meeting of the Board's Phoenix Enforcement Committee was held at 9:00 a.m., October 24, 1980 at the offices of the State Board of Technical Registration, 1645 W. Jefferson, Suite 315, Phoenix, Arizona 85007.

- 1. PRESENT: Wayne O. Earley
Jimmie R. Nunn
Hector C. Durand
Patricia Finley
- Irma Ojeda, Secretary

- ABSENT: Rod J. Gomez
William S. Gookin
John B. Riggs
Charles E. O'Bannon
Silas C. Brown
- F. Mark Edson
James L. Walter

2. UNFINISHED BUSINESS

1. 0017-79 - BTR VS. DWAYNE G. LEWIS, (Arch. #7619)

Mr. Lewis was present to answer questions. Mr. Lewis claimed he did not document everything he told Mr. Block, proceeded on work did not document changes. Original documentation was vague as to the specific work to be done.

The Committee recommends to the Board that a letter of censure be sent to Dwayne G. Lewis. He did not communicate properly with Mr. Block. That a letter of Consent be sent to Lewis on this matter.

2. 0100-79 - BTR VS. GEORGE MICHAEL (Civil Eng. #11166)

We have no record of any technical documents to indicate Mr. Michael's work is not up to standards. There is no evidence Mr. Michael's in any way is attempting a coo with the firm of Finical and Dombroski, which is out of our realm.

MOTION: That this complaint be denied against George Michael by Mr. Joseph Cracchiolo. Further that Mr. Cracchiolo be so advised and that recommendation be given to full Board. Also to send a letter to Mr. Michael to the extent that the Board is doing Peer Review and will be assigning procedures following the procedures we have set up in City and County.

3. 0041-79 - BTR VS. CARLTON SERVICES

Make note of Nickey Cojero's name for when he applies for registration. We have to determine if he is in violation for practice without a license.

MOTION: That a letter be drafted advising ^{Carlton Riggs} (him) of statement of architect and question of his practice in past, particularly Schifflett home, that he appears to be infringing on practice of architecture and that he cease and desist from practicing architecture in his business as Green Valley Plan Service.

4. 0102-79 BTR VS. FRANK L. YARBROUGH

Should we accept Advisory Committee's recommendation on this matter? Send letter to Kiggins, advising him of all Board's recommendations and find no evidence of unprofessionalism.

MOTION: We recommend to the Board with respect to Yarbrough in the complaint of record that we accept recommendations and conclusions as given Advisory Committee and that we dismiss any further action or complaints against Mr. Yarbrough.

5. 0025-79 BTR VS. WALLABY ENTERPRISES

Mr. Lundin was present. He stated he was aware of the complaint but had never seen it.

The concern of the Board is, is he practicing or proporting to practice Geology. Wallaby Enterprises is entering into contracts with companies in geological aspects. Wallaby Enterprises is a sole-proprietorship. The function, when Wallaby started, was to put together source books on different counties in mining. Briefly, does research to make job easier for Geologist and Mining Engineers.

Has never applied for registration, was told he did not qualify. Has never received an answer to his correspondence to our office. Wallaby has never done anything without having a registrant in charge, but never as a principal.

There is an obvious infraction of the law.

Options: Recommend Attorney General to get Cease & Desist so that Wallaby does not continue to practice. File under City Attorney for midemeanor - informal hearing. Accomplish informal for a lesser case by consenting to agree not to violate law and pay for expenses in to this point and get an application in to try and get licensed.

The Board has problems - an apology for not answering his letter. Is guilty - have to enforce law. Cease and Desist and pay investigation.

MOTION: That we recommend to the Board that we submit to County Attorney for blatant and fairly clear violation of the

of the law, knowing and willfully done and request a Cease and Desist order from Attorney General's office. Pursuant to 32-141 A & B and 32-145.

We also recommend to the Board that we file complaints on: Walter E. Heinrichs, #2447; James D. Loghry, #11365; Larry K. Lepley, #10567; David L. Kuck, #2646; Joseph E. Shearer, #10843, on aiding and abetting.

Mr. Ludin was informed that the case would be brought before Attorney General.

6. 0028-79 - BTR VS. MASSEY'S ENGINEERING INC.

Move that complaint be dropped, we recommend to the Board that a letter of that action be forwarded to Massey's Truck Repair, and Attorney Dale.

We recommend to the Board that letter from Attorney Dale not be signed on advise of Administrator.

7. 0038-80 BTR VS. DAVID A. STRATTON (L.S. #7498)

Move the complaint as made to the Board versus Stratton be dismissed for lack of evidence in accordance with recommendation of Advisory Committee.

8. 0039-80 BTR VS. DAVID A. STRATTON (L.S. #7498)

It is the recommendation of this Committee to the Board that Mr. Stratton be asked to answer to formal hearing, and with adjoining recommendation to the Board that Mr. Stratton's registration be suspended for no less than a six month period.

9. 0101-79 BTR VS. DAVID A. STRATTON (L.S. #7498)

That we get a Consent Agreement with Mr. Stratton and that said agreement ask that he correct subject survey or offer to correct

subject service for Mr. Walz.

That he appear before Ad Hoc Committee of Technical Board
to furnish further proof of his knowledge of the rules
and regulations with respect to the rectangular system of
surveying.

That Mr. Stratton be required to pay the costs of the
investigation incurred by the Board.

That Mr. Stratton accept a suspension of no more than 180
days.

NOTES FOR FILE

Was suggested we have something in file giving specific allegations on complaints, whether from newspaper whatever.

Was suggested on Lewis -0017-79 that we should have in file copies of plans, put registrants address on same as well as registration number.

Was also suggested that they receive information on matters to be brought before committee prior to meeting.

1415 West Jefferson, Suite 311
Phoenix, Arizona 85001

Dear Mr. [Name]

I refer to the action of the Board against Wallaby [Name] and the following:

1. Your letter dated November 27, 1979, and Wallaby's response, dated November 3, 1979.
2. Your investigator's visit to Wallaby in March of 1980.
3. The informal hearing on October 24, 1980.

It is my understanding that Wallaby has cooperated fully with you and your staff, including the investigators, in providing a complete account of their operations. I further advised that your investigator suggested to Wallaby that in order to avoid any possibility of non-compliance with the registration laws, that they incorporate with registered persons as principals or officers of the firm. Wallaby has done this, effective November 1, 1980. I further understood that due to some scheduling problems at the informal hearing, several members of the Board could not attend, and that those present did not have the benefit of legal counsel or even technical administrative counsel from you or your staff.

For all of the above reasons, it would seem to be appropriate to the Board and Wallaby, and no possible detriment

DeCONCINI McDONALD BRAMMER YETWIN & LACY, P.C.
ATTORNEYS AT LAW

240 NORTH STONE AVENUE
TUCSON, ARIZONA 85701
(602) 623-3411

EVO DeCONCINI
JOHN R. McDONALD
J. WM. BRAMMER, JR.
RICHARD M. YETWIN
JOHN C. LACY
ROBERT M. STRUSE
WILLIAM B. HANSON
JOHN C. RICHARDSON
DAVID C. ANSON
SHIRLEY A. LILLEN
RICHARD L. BARNES

1550 FIRST NATIONAL BANK PLAZA
100 WEST WASHINGTON STREET
PHOENIX, ARIZONA 85003
(602) 258-5330

DINO DeCONCINI
DOUGLAS G. ZIMMERMAN
MICHAEL A. GRAHAM

PLEASE REPLY TO: PHOENIX

December 3, 1980

Mr. F. Mark Edson
Executive Director
State of Arizona Board of
Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Dear Mr. Edson:

I refer to the action of the Board against Wallaby Enterprises and the following:

1. Your letter dated November 27, 1979, and Wallaby's response, dated December 9, 1979.
2. Your investigator's visit to Wallaby in March of 1980.
3. The informal hearing on October 24, 1980.

It is my understanding that Wallaby has cooperated fully with you and your staff, including the investigators, in providing a complete account of their operations. I further understand that your investigator suggested to Wallaby that in order to avoid any possibility of non-compliance with the registration laws, that they incorporate with registered persons as principals or officers of the firm. Wallaby has done this, effective November 4, 1980. I further understand that due to some scheduling problems at the informal hearing, several members of the Board could not attend, and that those present did not have the benefit of legal counsel or even technical administrative counsel from you or your staff.

For all of the above reasons, it would seem to be advantageous to the Board and Wallaby, and no possible detriment

Mr. F. Mark Edson
December 3, 1980
Page Two

to the public, if the matter were continued for a period of thirty to sixty days, or if the recommendation of the committee could be amended to give you the authority to negotiate a consent degree as an alternative. Please advise me of your position on this request.

Sincerely,

DeCONCINI McDONALD BRAMMER
YETWIN & LACY, P.C.



Dino DeConcini

DDC:jlm

STATE OF ARIZONA
SUMMARY OF EXPENDITURES AND BUDGET REQUESTS

Agency BOARD OF TECHNICAL REGISTRATION

Program _____

Expenditure Classification	1980-81 BUDGET	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Total to Date	Balance to Allocate	ADJUSTMENTS
FTE POSITIONS	5.5							
PERSONAL SERVICES	91,300	17,931				17,931	73,369	
EMPLOYEE RELATED EXPENDITURES	15,804	2,971				2,971	12,833	
PROFESSIONAL & OUTSIDE SERV.	37,300	4,978				4,978	32,322	
TRAVEL - STATE	8,200	894				894	7,306	
TRAVEL - OUT OF STATE	5,000	1,430				1,430	3,570	
OTHER OPERATING EXPENDITURES	44,500	17,385				17,385	27,115	
FOOD								
EQUIPMENT	6,000	1,959**				1,959	4,041	
SUB-TOTAL	208,104	47,548				47,548	160,556	
OTHER	2,696*							
.								
TOTAL APPROPRIATED	210,800	58,683						
ADD FEDERAL FUNDS								
ADD OTHER FUNDS								
TOTAL PROGRAM								

*Pd. out on 79-80 comm.

**Equip. cost includes: Audio Visual Equip. \$ 619
 Dictating Equip. 329
 IBM Typewriter 1,011

75

14965

SUMMARY OF POSITIONS, PERSONAL SERVICES AND EMPLOYEE RELATED EXPENDITURES

Agency _____

Program _____

	(FTE)	1980-81 Budget	1st Qtr. Amount	2nd Qtr. Amount	3rd Qtr. Amount	4th Qtr. Amount	Year to Date	Balance to Allocate	Adjustment
Boards and Commission . . .	-	-	930				930		
Elect & Appoint Positions . . .	-	-	-				-		
Regular Positions . . .	5.5	90,800	16,666*				16,666	74,134	
Overtime		500	335				335	165	
Other		-							
Rounding Adjustment . . .		-							
TOTAL - To Schedule 3		91,300	17,931				17,931	73,369	

EMPLOYEE RELATED EXPENDITURES

MULTIPLIER	////		////			////	////	////	////
% . . .	////	15,804	////	2,971		////	2,971	////	12,833
Uniform Allowance . . .									
TOTAL - To Schedule 3	////		////			////	////	////	////

*Includes \$902 - Temporary Secretary II position

76

PROFESSIONAL AND OUTSIDE SERVICES

Agency BOARD OF TECHNICAL REGISTRATION

Program _____

Expenditure Classification	1980-81 Budget	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	Total to Date	Balance to Allocate	ADJUSTMENTS
<u>Registration Program</u>								
Data Processing & Microfilming of record systems	2,700	1,306				1,306	1,394	
Cost of examinations, including material, personnel, facilities grading & appeals	31,600	2,759				2,759	28,841	
<u>Enforcement Program</u>								
Investigation & hearings	3,000	913				913	2,087	
Rounding Adjustment	37,300	4,978				4,978	32,322	
TOTAL PROFESSIONAL AND OUTSIDE SERVICES - To Schedule 3								

4287

TRAVEL

Agency BOARD OF TECHNICAL REGISTRATION

Program

TRAVEL - STATE	1980-81 Budget	1st Qtr. Amount	2nd Qtr. Amount	3rd Qtr. Amount	4th Qtr. Amount	Yeat to Date	Balance to Allocate	ADJUSTMEN
72510 Mileage & Vehicle Expense .	5,000	255				255	4,745	
72520 Subsistence	2,100	360				360	1,740	
72530 Public Transportation . . .	900	279				279	621	
72540 Other Travel Expenses . . .	200	-0-				-	200	
Rounding Adjustment	-							
TOTAL TRAVEL-STATE - To Schedule 3	8,200	894				894	7,306	

TOTAL VEHICLE MILES

Privately Owned	27,000							
Motor Pool Vehicles								
Agency Vehicles								

TRAVEL - OUT OF STATE

72550 Mileage & Vehicle Expense .	-	-					-	
72560 Subsistence	1,800	225				225	1,575	
72570 Public Transportation . . .	2,200	368				368	1,832	
72580 Other Travel Expenses . . .	1,000	50*				50	950	
XXXXXXXXXXXXXXXXXXXX		787**				787	(787)	
TOTAL TRAVEL-OUT OF STATE - To Schedule 3	5,000	2,430				1,430	3,570	

81

07758

*\$50 Conf. Registration Fee (CLARB)

**Encumbered but not expended (Gomez trip to Nevada)

Agency BOARD OF TECHNICAL REGISTRATION

Program

Expenditure Classification	1980-81 Budget	1st Qtr. Amount	2nd Qtr. Amount	3rd Qtr. Amount	4th Qtr. Amount	Year to Date	Balance to Allocate	ADJUSTMENT
72710 Rent (6 mos.)	8,100	4,229*				4,229	3,871	
72720 Utilities	-					-	-	
72700 All Other Occupancy	200	40				40	160	
72800 Maintenance & Repairs	500	221				221	279	
73110 Office & Library Supplies	6,200	473				473	5,727	
73120 Data Processing Supplies	300	139				139	161	
73100 All Other Office & Inst Supp	-	-				-	-	
73260 Fuel & Lubricants - Vehicle	-	-				-	-	
73270 Parts & Supplies - Vehicle .	-	-				-	-	
73200 All Other Main, Field Supp .	-	-				-	-	
73510 Printing & Photographs	7,500	8,846				8,846	(1,346)	
73540 Postage & Mailing Costs	9,600	1,845				1,845	7,755	
73550 Telephone Service	3,000	363				363	2,637	
73500 All Other Comm & Ship Expen	400	-0-				-0-	400	
73630 Reproduction Equipment Rent	-	-				-	-	
73630 Reprod. Equip. Lease/Purch.	1,100	388				388	712	
73600 All Other Equipment Rental .	200	166				166	34	
73600 All Other Equip. Lease/Purch	-	-				-	-	
73720 Organizational Dues	3,800	-0-				-0-	3,800	
73740 Insurance	400	500				500	(100)	
73760 Education & Training	2,000	175				175	1,825	
All Other Operating Expenses	1,200	1,000**				1,000	200	
Rounding Adjustment	44,500	18,385				18,385	26,115	
TOTAL OTHER OPERATING-To Schedule 3								

04759

6L *Encumbered but not expended
 **Revolving Checking Account



CITY
OF
PHOENIX

BUILDING SAFETY DEPARTMENT DIRECTOR'S OFFICE - ROOM 341

Hold for next Bin organizer
12/5 or before
Aug 9/80

04770

September 10, 1980

RECEIVED

SEP 11 1980

STATE BOARD

Arizona State Board of Technical
Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Gentlemen:

It has come to our attention that the Board has adopted a new rule pertaining to applications for Civil Engineer registration.

Our understanding of the rule is that an applicant whose work experience is in the structural discipline of civil engineering cannot be considered for registration as a Civil Engineer but must apply for registration as a Structural Engineer.

This rule presents us with problems. Our job description for Plans Engineer calls for registration as a Civil Engineer. We think it is important for our plan reviewers to be registered since they are checking plans prepared by registered engineers. However, it is not practical to expect that we can obtain registered Structural Engineers at the entry level. The skill required at the entry level is adequately demonstrated by a person who has passed the Civil Engineer's examination (through Part 4) and has structural experience. Our highest level of Plans Engineer (Senior Structural Plans Engineer) requires registration as a Structural Engineer. This position requires extensive experience in structural work with demonstrated knowledge in seismic design, indeterminate analysis, etc. This knowledge and experience cannot be expected from most entry level applicants and, in fact, is not necessary.

In addition to the personnel problem, we question the new rule from the professional viewpoint. Structural engineering is still one of the disciplines of civil engineering. The degree is still B.S.C.E. The registration law allows Civil Engineers to practice structural engineering to the extent that the individual feels qualified, just as it allows him to practice highway engineering or sanitary engineering. Surprisingly, and appropriate to this issue, the law does not describe a category of work which can only be undertaken by a registered Structural Engineer.

80

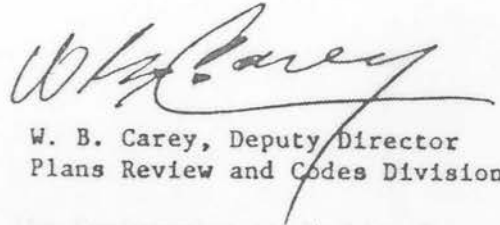
Arizona State Board of Technical
Registration
September 10, 1980
Page Two

4771

Because of these considerations we respectfully ask that the Board reconsider the rule. We understand that the intent was to solve another aspect of the registration problem, but hope that the Board can find a solution more specific to the other problem.



R. C. Hildebrandt, Director
Building Safety Department
rj



W. B. Carey, Deputy Director
Plans Review and Codes Division

cc: Mr. Baker, Chairman
Arizona Consulting Engineers Association,
Structural Division



CENTRAL CHAPTER

04772

STRUCTURAL ENGINEERS ASSOCIATION OF ARIZONA

3625 NORTH 16th STREET • PHOENIX, ARIZONA 85016 • PHONE (602) 266-4926

REPLY TO:

December 1, 1980

State of Arizona
Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Gentlemen:

It has come to the attention of our organization that the Engineering Evaluation Committee of the State Board of Technical Registration will deny individuals with a complete work experience in the structural discipline of Civil Engineering their request for registration as a Civil Engineer (C.E.).

We have reviewed the letter to you dated September 10, 1980, from Ross Hildebrandt and Bill Carey of the City of Phoenix Building and Safety Department regarding this ruling as it affects their organization.

It is the general opinion of the Structural Engineers Association of Arizona-Central Chapter, that a civil engineer who practices structural engineering should not be denied request for registration as a C.E., since the law permits a registered C.E. to practice structural engineering.

Registration as a Structural Engineer (S.E.) requires additional testing above that required for C.E. registration which is important to establish an increased proficiency or higher level of skill necessary in designing certain types of structures. It is our opinion that the State Board of Registration should define certain types of structures which should be left solely to those who have demonstrated the necessary skills to obtain the S.E. registration. Two possible suggestions are as follows (see enclosures):

1. Buildings which require special structural inspection as defined in Section 340.07 of the City of Phoenix Building Code.
2. Buildings with an importance factor greater than one (1.0) as defined in Table No. 23-K of the Uniform Building Code.

If we can be of further service to the Board in resolving this matter, please feel free to contact us.

Very truly yours,

George S. Priniski, President
Structural Engineers Association of Arizona-Central Chapter

GSP/hmm

Enclosures (2)

82

04773

340.05 APPROVALS REQUIRED. Work shall not be performed on any portion of a building, structure or utility beyond the point indicated in each successive inspection without first obtaining the approval of the Building Official. Such approval shall be given only after an inspection shall have been made of each successive step in the construction as indicated by each of the inspections in this Part.

Foundation work, reinforcing steel or structural framework of any part of any building, structure or utility shall not be covered or concealed in any manner whatever without first obtaining the approval of the Division.

There shall be a final inspection and approval on every building, structure or utility when the same is complete and ready for occupancy.

340.06 EXPOSURE OF WORK. Whenever any work is covered or concealed by additional work without first having been inspected as required, the Building Official may order, by written notice, that such work be exposed for examination. The work of exposing and recovering shall not entail expense to the City.

340.07 SPECIAL STRUCTURAL INSPECTION.

A. When Required. Special structural inspection of the entire structural system shall be provided during construction of buildings of the following types:

1. Any building 3 stories or more in height (including basements or cellars as stories).
2. All prefabricated units and their connections when such units are utilized structurally in the lateral force resisting system of a structure except as provided in Subsection 340.07F. The Building Official may waive the special inspection requirement if he finds that the construction involves no unusual hazard.
3. Structural framing systems and/or methods of design or construction, or any other construction, when in the opinion of the Building Official there is a need for closer inspection than is ordinarily afforded by the Building Safety Department. Exception: (See Subsection 340.07F).

B. Discharge. Before the building permit is issued, the owner shall employ a qualified person(s) who shall be responsible for the required structural inspection. The owner shall notify the Building Official, in writing, that the above individual(s) will carry out the required structural inspection and name any special inspectors to be employed.

C. Person Responsible for Special Structural Inspection: The person(s) responsible for special structural inspection shall be the architect or engineer holding the prime design contract and the engineer or architect who sealed the structural calculations for the project; however, the Building Official may at his discretion accept a qualified engineer or architect registered in the State of Arizona who is thoroughly familiar with the structural design of the project.

The person(s) responsible for special structural inspections shall determine the number of inspectors necessary to adequately perform the required inspection, who they shall be, and when and where they are required.

He shall supervise the work of all structural inspectors, all of whom shall be qualified to render competent structural inspection on the work to which they are assigned.

D. Inspection Reports. The person responsible for structural inspection shall promptly report to the Building Official and to the firm holding the prime design contract all deviations from structural drawings and specifications observed by him or by inspectors working under his supervision. He shall submit inspection reports reflecting the progress of the work as determined by the reports of the field inspector. The inspection reports shall cover conditions affecting the structural strength of the building and other pertinent information.

Reports shall be submitted as the work progresses but not less than monthly.

E. Certificate of Compliance: Upon completion of the portions of the work requiring special structural inspection, a certificate of compliance shall be prepared by the Building Official over the seal and signature of the person(s) responsible for the special

83

Where a number of storage rack units are interconnected so that there are a minimum of four vertical elements in each direction on each column line designed to resist horizontal forces, the design coefficients may be as for a building with K values from Table No. 23-J, $CS = 0.20$ for use in the formula $V = ZIKCSW$ and W equal to the total dead load plus 50 percent of the rack rated capacity. Where the design and rack configurations are in accordance with this paragraph the design provisions in U. B. C. Standard No. 27-11 do not apply.

For flexible and flexibly mounted equipment and machinery, the appropriate values of C_p shall be determined with consideration given to both the dynamic properties of the equipment and machinery and to the building or structure in which it is placed but shall not be less than the listed values. The design of the equipment and machinery and their anchorage is an integral part of the design and specification of such equipment and machinery.

For Essential Facilities and life safety systems, the design and detailing of equipment which must remain in place and be functional following a major earthquake shall consider drifts in accordance with Section 2312 (k). The product of ΔS need not exceed 1.5.

Ceiling weight shall include all light fixtures and other equipment which are laterally supported by the ceiling. For purposes of determining the lateral force, a ceiling weight of not less than 4 pounds per square foot shall be used.

Floors and roofs acting as diaphragms shall be designed for a minimum force resulting from a C_p of 0.12 applied to w_f , unless a greater force results from the distribution of lateral forces in accordance with Section 2312 (e).

The W_p shall include 25 percent of the floor live load in storage and warehouse occupancies.

TABLE NO. 23-K
VALUES FOR OCCUPANCY IMPORTANCE FACTOR I

TYPE OF OCCUPANCY	I
Essential Facilities	1.5
Any building where the primary occupancy is for assembly use for more than 300 persons (including theaters)	1.25
All others	1.0

See Section 2312 (k) for definition and additional requirements for essential facilities.

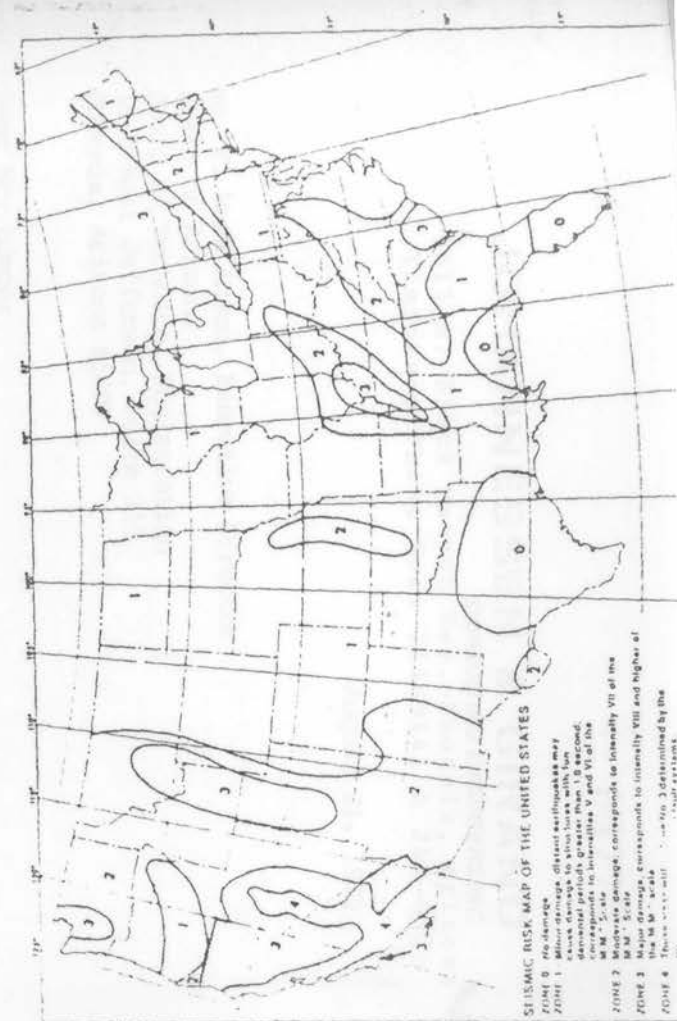


FIGURE NO. 1—SEISMIC ZONE MAP OF THE UNITED STATES
For areas outside of the United States see Appendix Chapter 23

File 14-769 EE

04775



JOHANNESSEN & GIRAND

CONSULTING ENGINEERS INC.

6611 N. Black Canyon Hwy. - Phoenix, Arizona 85015
Temporary Phone Nos. 244-9441 & 244-0210



August 21, 1980

FLAGSTAFF
22 West Birch
Flagstaff, AZ 86001
(602) 779-0388

COTTONWOOD
125 S. Sixth
P.O. Box 95
Cottonwood, AZ 86326
(602) 634-2212

SEDONA
Roubidoux Plaza
P.O. Box 3008
West Sedona, AZ 86340
(602) 282-4993

Mr. F. Mark Edson, Executive Director
State of Arizona
Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Dear Mr. Edson:

I would like to request an audience before the board at the next proposed meeting. My purpose is to request a waiver from the board on Part I of the E.I.T. examination.

I am a graduate of Electronics Institute of Technology in Detroit, Michigan. I graduated in 1963 with an associate degree in electronic engineering. I have been in the engineering field for the past 11 years under the direct supervision of various professional engineers.

I relocated to Arizona in 1973 as a City of Phoenix Plans Review Engineer. While with the city I was promoted to the engineering department in 1975 as the staff electrical engineer. In 1978 I left the City of Phoenix and joined the firm of Sverdrup & Parcel as a staff electrical design engineer. In 1979 I joined the firm of Johannessen & Girand as senior electrical design engineer under Mr. Harold Baldwin, P.E. I am presently serving in that capacity.

I have letters of recommendations in my file at your office from several very qualified engineers I have been associated with in Arizona. Enclosed please find a copy of some of my representative projects while in Arizona.

Your consideration in this matter will be greatly appreciated.

Very truly yours,

Robert T. Haines
Robert T. Haines

EXAM REPORT

1	F	237
2	P	
3	P	
4	P	

44 yrs old 15 yrs of exp to 19a

DEC 5, 75 - Requested
Denial 142

MAR 22, 1976 -
Denial 142

SEPT 13, 1976 - Progressive training 142

AUG 24, 1978 - " " " "

Dec 14, 1978 - " " " "

RTH/pjv
Enclosure

- CORPORATE OFFICERS
- C. J. Loggins
 - H. J. Boyer
 - R. P. Boley
 - J. J. Burns
 - R. E. Nabors
 - J. Girard
 - D. C. Boney
 - A. R. Farnock
 - J. J. Awa
 - M. J. Stoytman Jr
 - D. A. Gilbertson
 - H. D. Fisher
 - H. A. Hahn
 - H. G. McLean
 - S. A. Frazier
 - H. S. Hoescher
 - I. D. Carlson

RE TRANSCRIPT
IN FILE
NOT LOST

ROBERT HAINES

PROJECT ELECTRICAL ENGINEER

Specialized Professional Competence

Specification writing and Project estimating
 Parks & Recreation facilities
 High, medium & low voltage power distribution systems
 Lighting & power systems for industrial, commercial and
 residential buildings
 Uninterruptable power supply systems
 Construction inspection
 Power & energy studies and report writing

Representative Project Assignments

Several Service Center & Fueling facilities, Phoenix, Arizona
 High Voltage Sewage Blowers & Distribution System, Phoenix, Arizona
 Several Tennis, Baseball, & Recreational Parks, Phoenix, Arizona
 Several Commercial Bldg. Systems, Phoenix, Arizona
 Uninterruptable Power Supply for Computer Facility, Phoenix, Arizona
 Warehouse & Fueling Facility, Phoenix, Arizona
 Communication Facility @ South Mountain, Phoenix, Arizona
 Sky Harbor Police Briefing Building & Parking Facility, Phoenix, Arizona
 Tempe Stadium Lighting & Power System, Tempe, Arizona
 Marcos DeNiza Handball Court Lighting & Power, Tempe, Arizona
 Tempe High School Handball Court Lighting & Power, Tempe, Arizona
 TWA Sky Harbor Expansion & Holdroom Facility, Phoenix, Arizona
 Ramada Inns Engineering Plan Review & Design Projects, Phoenix, Arizona
 Energy Study & Survey of Mountain Bell Facility, Phoenix, Arizona

Representative Project Assignments for Johannessen & Girard

Chrysler Proving Grounds Facility, Morris Town, Arizona
 St. Johns Swimming Pools & Bathhouse, St. Johns, Arizona
 Hotel for Ramada Inn (7story), St. Paul, Minnesota
 Hotel for Granada Royale (5 story), Denver, Colorado
 Hughes Airwest Expansion at Sky Harbor, Phoenix, Arizona
 Red Feather Lodge (3 story), Grand Canyon, Arizona
 Senior High School & Housing, Oraibi, Arizona
 Tolleson High School Addition, Tolleson, Arizona
 PSA Facility at Sky Harbor, Phoenix, Arizona
 Air Cargo Facility at Sky Harbor, Phoenix, Arizona

Professional Background

Degree in Electrical Engineering, Detroit, Michigan, 1963
 Registered Safety Engineer, Phoenix, Arizona, 1974
 Member of IAEI, Arizona Chapter, 1973
 Journeyman Electrician Registration, Pontiac, Michigan, 1963
 Master Electrician Registration, Pontiac, Michigan, 1970
 Registered Electrical Contractor, Waterford, Michigan, 1971
 Entered the profession in 1964

September 26, 1980

Arizona State Board of
Technical Registration
1645 West Jefferson, Suite 315
Phoenix, AZ 85007

Gentlemen:

Since I have not received a response to my letter of April 10, 1980 requesting reconsideration of my application I assume the matter is still pending and wish to make additional comments.

I have reviewed the performance audit of the State Board of Technical Registration as prepared by the Office of the Auditor General. I see a great degree of similarity between my situation and cases 1 and 2 as reported on pages 49 and 50 of their report. Case 1 appears to be particularly appropriate since the evaluation committee felt the applicants experience qualified him for the Structural Engineering Examination but not the Civil Engineering Examination. However, on reconsideration the full board voted to license the applicant as a Civil Engineer based on his prior examination and licensure in another state. Such action is what I requested in my letter of April 10 and what I am requesting now, based on my registration as a Civil Engineer in nine states.

It appears from the report that the primary difference between my case and the case cited is that I was not persuaded to change my application from civil to structural engineering. If in fact that is the primary difference, the board would definitely seem to be acting in an arbitrary and capricious manner if they were to deny my application.

I trust that you will consider these additional points and render a favorable ruling in this matter.

Sincerely,

Gerald K. Orrison

Gerald K. Orrison

js

04778 71-673
103905

A DIVISION OF SOULÉ STEEL COMPANY

April 10, 1980

Arizona State Board of
Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Gentlemen:

In response to your letter of February 25, 1980, I hereby request that you reconsider my application for registration as a Civil Engineer as provided for in section R4-30-02 of the rules of the board. I do not know that a personal appearance is necessary, but if you would prefer that I make one I would be glad to do so. In any event, I wish to make several comments.

The idea that I lack experience as a Civil Engineer, because most of my experience has been in the structural area, is difficult to accept. Especially since I have always thought that structural design was a branch of civil engineering.

Since neither the registration law, nor the Rules of the Board, define civil engineering or structural engineering one must rely on definition from other sources. To this end I have enclosed a copy of a page from the catalog of the Missouri School of Mines and Metallurgy, which is now the University of Missouri at Rolla, which I think adequately supports my contention that structural design is a branch of civil engineering.

I believe there is also support for my position in the registration laws of other states. The state of California requires registration as a Civil Engineer and additional experience and testing before a person can be registered as a Structural Engineer. Similarly, the state of Washington considers Structural Engineering to be a specialized branch and requires initial registration in another, more basic branch.

As you know from my application, I am presently registered in nineteen states, of which eighteen are by reciprocity. Of those nineteen states I am registered as a Civil Engineer in the nine states that have registration by branch. This includes six states that recognize Structural Engineering as a separate branch and at least one, Oregon, appears to have the same requirements as Arizona. There was no suggestion by any of these states that I was not qualified as a Civil Engineer. While I realize that Arizona is not bound by the actions of other states, it seems strange to me that you would take a position so different from these other states.

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Arizona State Board of
Technical Registration

April 10, 1980
Page Two

During the course of my conversation with the evaluation committee, concern was expressed about pending sunset law review of the functions of the Board of Technical Registration. They stated that they exercise special care in reviewing applicant's experience records to insure consistency. However, it appears that the evaluation committee is applying a totally arbitrary definition of Civil Engineering, which is inconsistent with the classical definition and customary functions of the profession.

The evaluation committee also gave me the impression that they wanted me to apply for registration as a Structural Engineer because they felt the work I do should be done by a Structural Engineer. In addition, they indicated that a Civil Engineer's registration might not be sufficient for some agencies I might have to deal with. However, the requirement for a Structural Engineer's seal instead of a Civil Engineer's on certain types of work is not spelled out in the registration law, but is left up to the various approval and specifying organizations. Likewise, neither the registration law, nor the rules of the board delineate a demarcation line between civil and structural engineering. I cannot believe that none of the Civil Engineers in your state design structures.

In conclusion, I must ask what conditions have created a situation where a person with two degrees in civil engineering and registration as a Civil Engineer in nine other states is not qualified to practice as a Civil Engineer in Arizona. Do you feel the courts would uphold your position?

I trust that you will consider these comments and reverse your previous denial of my application for registration as a Civil Engineer.

Sincerely,

Gerald K. Orrison

Gerald K. Orrison

GKO:rk
Encl.

CHEMICAL ENGINEERING, PETROLEUM REFINING

NUMBER	NAME OF COURSE	Hours per Week		Credit Hours
		Lect.	Lab.	
SENIOR YEAR				
<i>First Semester</i>				
Ch.E. 195	Professional Guidance.....	1	0	1
Ch.E. 258	Chemical Engineering Process Development.....	1	6	3
Ch.E. 271	Chemical Engineering Thermodynamics and Kinetics.....	3	0	3
Ch.E. 379	Petroleum Refining Engineering.....	2	0	2
Tech. 103	Mechanics of Materials.....	3	0	3
En. 131	Drilling and Production Practices.....	3	0	3
Phy. 251	Atomic and Nuclear Physics ¹	3	0	3
		16	6	18
<i>Second Semester</i>				
Ch.E. 268	Chemical Engineering Process Design.....	1	6	3
Ch.E. 381	Petroleum Refining Engineering.....	2	0	2
Econ. 201	Engineering Economics ²	3	0	3
E.E. 173	Electronic Devices and Amplifiers ³	3	0	3
Ingl. 125	English Literature ⁴	3	0	3
	Free Electives.....	3	0	3
	Technical Electives.....	2	0	2
		17	6	19

¹ Or Phy. 311, 321, 339, 345, 351, 352, 357, or 381.
² Or other economics courses on approval of department chairman.
³ Or E.E. 175 or 177.
⁴ Or any other course offered in English.

CIVIL ENGINEERING

The curriculum in Civil Engineering is designed to afford a thorough training in fundamental principles upon which the practice of professional civil engineering is founded. It is the aim of the department to prepare its graduates for technical and administrative positions in the promotion, design, construction, operation, and management of engineering projects.

Instruction is by lecture and practice, in classrooms, laboratories, and field. The first two years of the curriculum in addition to covering the scientific, mathematical and humanistic subjects common to all curricula, include the subprofessional courses in surveying and highway materials testing, while the last two years are devoted to those subjects of a more definitely professional nature.

Civil engineering is the oldest of the engineering professions. It comprises surveying and geodesy, with its problems of location and mapping of engineering enterprises and division of lands; transportation engineering, including the building of railways, highways, airports, canals, waterways, docks, tunnels; hydraulic engineering, with its questions of water power development, flood control, irrigation and drainage; sanitary engineering, including water supply, sewage disposal and public health; structural engineering, dealing with the design, construction and maintenance of bridges, steel and concrete buildings, and foundations, and municipal engineering, which includes to a large extent a combination of the above branches. This wide range of subjects renders impossible any attempt to treat them all in detail in a four year period, hence the student is given considerable opportunity in the third and fourth years of the curriculum to select, subject to approval of his adviser, elective and optional subjects, to permit him to prepare for some definite field or branch of civil engineering.

Graduate work and some undergraduate specialization are available in the fields of highway engineering, hydraulic engineering, sanitary engineering, stress analysis and structural design, airport and transportation, soils investigations and foundation problems.

Students desiring advanced work toward a master's degree may arrange a graduate program with the approval of the chairman of the department.

96

14780

LUMBERMATE[®]

"profit engineered products for wood construction"

March 17, 1980

March 25, 1980

F. Mark Edson
 Arizona State Board of
 Technical Registration
 1645 W. Jefferson, Suite 315
 Phoenix, Arizona 85007

Re: Application #79-639, Civil Engineer

Dear Mr. Edson:

I am writing to ask that my case be reconsidered. As per the provisions in R4-30-02, I do not desire a personal appearance, but would like my letter of March 6 be available for the Board to examine, since it was not received before the Board's special meeting when my case was considered.

I am returning the \$25.00 refund along with this letter.

Thanking you in advance,

Sincerely,

Norman Douglas Wood

NDW/ka

Enclosure



#4782

Desired file

LUMBERMATE

March 17, 1980

Mr. Norman Douglas Wood
LUMBERMATE COMPANY
10443 Baur Boulevard
St. Louis, MO 63132

Application #79-639, Civil Engineer

Dear Mr. Wood:

We acknowledge receipt of your letter of March 6, 1980, regarding your application.

The Board considered your case, along with seven others in similar circumstances, and determined that your experience in structural work was more appropriate in the Structural Engineering field than in the broad field of Civil Engineering. Consequently, they denied your application, and you will have received that notification before this note gets to you.

I know that the Engineering Evaluation Committee would have preferred that you change your application, as they suggested. I am enclosing a synopsis of the Part V and Part VI examinations in Structural Engineering for your information.

Sincerely,

F. Mark Edson
Executive Director

Enclosure

LUMBERMATE[®]

"profit engineered products for wood construction"

March 6, 1980

Arizona State Board of
Technical Registration
1645 W. Jefferson, Suite 315
Phoenix, Arizona 85007

Dear Sirs:

I enjoyed very much being in your state in January while taking my multiple choice examination and interview with the two board members and Mark Edson.

I am writing to explain why at this time I have chosen to be registered as a Civil Engineer rather than a Structural Engineer.

As a Sr. Engineer at Lumbermate I design and detail wooden trusses and check designs that the other engineers in our company have made. I am enclosing some typical examples. Most of the trusses we design are for residential use, agricultural pole barns, commercial warehouses or small commercial offices. The finished truss designs are sent to truss fabricators in 23 states and total approximately 8000 designs per year and in only one place has a Structural seal been required, Lake County, Illinois which is adjacent to Chicago. All of our other designs are sealed with either a Professional or Civil Engineers seal and we have never had any problem with this type of light construction requiring a Structural seal.

At this moment we do not have any truss fabricators in Arizona that we furnish engineering for and do not anticipate furnishing any engineering for any Arizona truss fabricators in the immediate future, however, before we can actively promote selling our truss plates and the engineering that goes with them we should have an Arizona registration so that we would be able to seal our own engineering in the event that an Arizona truss fabricator began buying our plates.



Arizona State Board of
Technical Registration
March 6, 1980
Page Two

04784

I am looking forward in the future to being in Arizona again
and doing business with the people of Arizona.

Thank you for taking the time to read this letter and review
my application.

Sincerely,

Norman Douglas Wood

Norman Douglas Wood, P.E.

NDM/ka

cc: Mark Edson

For the past year I have been serving on the American Institute
of Mining, Metallurgical and Petroleum Engineers, Society of Mining
Engineers, Committee on Professional Registration. I will be on this
committee for another four years. Some of our present activities
include writing and grading the mineral engineer's professional regis-
tration examinations. I have been requested, by the committee, to
contact the Arizona Board and request a list of all of the questions
in the Mining, Metallurgical and Metallurgical Engineering.

In our committee's deliberations, we wish to answer as large a
number of questions and answers as possible so that, as time comes
to write the questions with answers to NCE for inclusion into the
examination, we have the best possible questions available. This request
is being made of other state boards that have previously given the
examinations and are providing NCE's prepared examination.

I look forward to your response and if I can provide information in
any way, I will be more than happy to do so.

Sincerely,

Mark Edson
Mark E. Edson
Vice President

94
95

Mountain States Mineral Enterprises Inc.

PO BOX 17960, TUCSON, ARIZONA 85731

TELEX: GG-6490

CABLE: MONSTAT

PHONE: (602) 792-2801

44785

December 2, 1980

Mr. Mark Edson
Executive Director
ARIZONA STATE BOARD OF TECHNICAL REGISTRATION
1645 W. Jefferson
Phoenix, AZ 85007

Dear Mark:

It's been a long time since we have gotten together and I hope that some time in the near future Prill and I will have an opportunity to see you.

For the past year I have been serving on the American Institute of Mining, Metallurgical and Petroleum Engineers, Society of Mining Engineers Committee on Professional Registration. I will be on this committee for another four years. Some of our present activities involve writing and grading the mineral engineers professional registration examinations. I have been requested, by the committee, to contact the Arizona Board and request a historical file of past questions in the Mining, Geological and Metallurgical Engineering.

In our committee's deliberations, we wish to amass as large a collection of questions and answers as possible so that, as time comes to submit our questions with answers to NCEE for inclusion into the examination, we have the best possible questions available. This request is being made of other state boards that have previously given the examinations and are now using NCEE's prepared examination.

I look forward to your response and if I can provide information to you, I will be more than happy to do so.

Sincerely,



Martin C. Kuhn
Vice President

MCK/bt



95

(5)

4786

APPLICATION RECORD SHEET

Name Sartori, Joseph Anthony

Age 56

No. 80-25

Date

Rec'd 1/8/80

Business Address

739 W. Jackson
Phoenix, AZ 85306

Proficiency Requested (branch)

- Architect Prof. Engr. Civil
- Assayer Land Surveyor
- Geologist Landscape Architect

EDUCATION

No degree
 Transcripts Verified
 Accredited Program

1) 47-51 Valparaiso University BS CE 8/3/51
 Years University Degree Date

2) _____

Remarks: Credit 4 Yrs.

EXPERIENCE (See Summary on Reverse Side)

28 1/2 Years + 4 Years (Education credit) = 32 1/2 Years (Education and Experience)

PROFESSIONAL QUALIFICATIONS

PRIOR Registration in State of Massachusetts 5/29/70 by State Date

Written Examination _____ Hrs. (See Exam Detail Reverse Side)

Education & Experience

Other _____
 NCARB Cert # _____
 NCEE Record # _____
 CLARS Record # _____

Other Registrations
 by _____
 by _____
 by _____

Seismic Qualification
 Treatise to _____
 Seminar Credit fr _____

IN-TRAINING QUALIFICATIONS (AZ Residents Only)

Exams AIT EIT GIT LAIT _____ Hrs.
 State _____ Cert # _____ Date _____

NO Exams - Experience And/or Education only

REFERENCE SUMMARY 5 Reg. _____ Non-Reg.

1. Reg.-R.A. Jacques/Has performed in a responsible, professional manner his engrg. facility mgmt. functions.
2. Reg.-M. Tatlock/A top flight engineer & I recommend him. He is honorable, honest man of great character.
3. Reg.-J. Day/Highly recommend. He is highly capable engineer & manager. He has wide & varied experience. Highly respected.
4. Reg.-E. Burgin/Regard him as qualified to be professionally recognized in State of Arizona.
5. Reg.-G. Legters/ Background & present evaluation would indicate he is worthy of registration.

RECOMMENDATION

Personal Audience _____ Waived _____ Held 10 _____
 Date _____

Grant registration per ARS 123.A on Professional Qualifications shown above.
 Grant registration per ARS 123.B on passing examinations or submitting Seismic qualifications initiated below. Next examination series begins OCT 30, 1980.

Exam	1	A	2	B	<u>3</u>	C	<u>4</u>	D	5	6	Seismic
Exam		A		B							

Deny registration per ARS 123.C for _____ Lack of _____ yrs. satisfactory experience.
 Failure to complete requirements of Board.

Di-3/27 Amey REFER TO BOARD w/ NO RECOMMENDATION
 Committee _____ Board Confirmation _____
 Date 10/1/80 Date _____ Minute Pg. _____

anted Professional registration as _____ on _____ (Date) 96
 and assigned registration no. _____

Additional
Examinations

Examinations Completed - Examination State

In training Professional

III-CLARB EXAMS Date _____

26 Hr. C, D, E, F, G, H, I.

20 Hr. Equivalency A, B, C, D, E.

20 Hr. Qualifying A, B, C, D, E.

8 Hr. Qualifying A, B, C, D.

16 Hr. Professional I, II, III, IV.

12 Hr. Professional A (Design)

III-CLARB EXAMS Date _____

20 Hr. UNE A, B, C, D, E

Hr.

IV - STATE EXAMS

Hr.
Hr.

IV - STATE EXAMS

V NO EXAMS

X Education and Experience

Other

RESEARCH STATE

Exam G After Dec., 65 Yes No

Prof. Exam after 1974 Yes No

Exam - State Date

Treatise filed w/ State Date

Treatise req'd by Arizona Rec'd Apprv'd Date Date

EXPERIENCE SUMMARY

- 1/53-4/6: Gen Engr./Dist. Corps of Engr./Rev. plans & specs. for military const.
- 4/56-8/60: Gen Engr./Army Garrison/Chief of proj. & plans branch.
- 8/60-12/62: Suprv. Gen. Engr./ Army Garrison/Suprv. German engrg. in des., plans, specs. & est.
- 12/62-7/64: Suprv. Gen. Engr./Army Garrison/Res. for overall coord. of des., plans, cost est. for maint. & new work const.
- 7/64-5/65: Suprv. Gen. Engr./Army HQS, Italy/Prov. engr. assist. to engr. at field activities.
- 5/65-7/66: CE/Army, Chief of Engr./Formulation of design policy which was utilized in des. Army engr, world-wide.
- 8/66-3/69: CE/Marine Corp./Res. for overall major repair program of projects.
- 3/69-2/74: CE/Bur. of Naval Personnel/Formulated & prep. 5 yr. military const. program for Navy school facilities.
- 2/74-8/79: CE/Naval Supply System/Formulated & prep. 5 yr. military const. program for fueling piers, fuel storage fac. & warehouse complexes.
- 10/79-present: CE I/ADOT/Prep. proj. specs. for hwy. road improvements.

28 1/2 yrs

15

APPLICANT'S RECORD SHEET

Name: Ritch, Robert Edward

Age 62

No. 79-780
Date Rec'd 11/23/79

Business Address
Silliman, Moffet & Kowalski
925 N. Lynn St., Ste. 300
Arlington, VA 22209

Proficiency Requested (branch)
Architect XX Prof. Engr. Electrical
Assayer _____ Land Surveyor _____
Geologist _____ Landscape Architect _____

EDUCATION
 No degree
 Transcripts Verified
 Accredited Program

1) 34-38 OLD RECORD - SHOWS QUALIF. MET BUT NOT RECORDED
Years University Degree Date
NC St. College of Agric. & Engrg. BSEE 1938 ✓

2) _____
Remarks: Credit 4 Yrs.

EXPERIENCE (See Summary on Reverse Side)

10 3/4 Years + 4 Years (Education credit) = 44 1/4 Years (Education and Experience)

PROFESSIONAL QUALIFICATIONS

EX PRIOR Registration in State of
DC ✓ 8/18/52 ✓ by
State Date

Written Examination _____ Hrs.
(See Exam Detail Reverse Side)
Education & Experience
Other Grandfather's Clause ✓
NCARB Cert # _____
NCEE Record # _____
CLARB Record # _____

Other Registrations
✓ Virginia 77 by Oral Exam. ✓
✓ Maryland 61 by Reciprocity

Seismic Qualification
Treatise to _____
Seminar Credit fr _____

IN-TRAINING QUALIFICATIONS (AZ Residents Only)

Exams AIT EIT GIT LAIT _____ Hrs.
State _____ Cert # _____ Date _____
NO Exams - Experience And/or Education only

REFERENCE SUMMARY 5 Reg. _____ Non-Reg.

- 1. Reg.-R.M. Silliman/Unreservedly evaluate his as being fully qualified for registration.
- 2. Reg.-C.L. Kowalski/Very capable in all areas of engrg. work undertake by our firm. His morals are of the highest & honesty is beyond reproach.
- 3. Reg.-M.W. Cobb/Highly qualified.
- 4. Reg.-E. L. Dahlberg/Eminently qualified. Have found all his work accurately prepared.
- 5. Reg.-J.A. Moffet/ Highly qualified. His professional ethic are excellent.

RECOMMENDATION

Personal Audience _____ Waived _____ Held _____
Date

✓ Grant registration per ARS 123.A on Professional Qualifications shown above.
Grant registration per ARS 123.B on passing examinations or submitting Seismic qualifications initiated below. Next examination series begins _____.

Exam	1	A	2	B	③ 1037 C	④ 1037 D	5	6	Seismic
Exam		A		B					

Deny registration per ARS 123.C for _____ Lack of _____ yrs. satisfactory experience.
Failure to complete requirements of Board.

cc. Dir 3/28 Aug Committee J.B. Timmer Board Confirmation _____
Date _____ Date _____ Minute Pg. 98

Waiver-WAIVING EXAMS
Grant Professional registration as _____ on _____ (Date)
_____ and assigned registration no. _____

Professional
Qualifications

Examinations Completed - Examination State

In training _____ Professional _____

NCARB EXAMS
 Exam G Date _____
 36 Hr. C, D, E, F, G, H, I.
 20 Hr. Equivalency A, B, C, D, E.
 20 Hr. Qualifying A, B, C, D, E.
 8 Hr. Qualifying A, B, C, D.
 16 Hr. Professional I, II, III, IV.
 12 Hr. Professional A (Design)

NCE EXAMS
 8 Hr. Fundamentals of Engrg. AM, PM.
 8 Hr. Principals & Practice PE Branch AM, PM.
 8 Hr. LS Fundamentals AM, PM.
 4 Hr. LS Principals, Practice AM,

III-CLARB EXAMS Date _____
 20 Hr. UNE A, B, C, D, E
 Hr.
IV - STATE EXAMS
 Hr.
 Hr.
V - NO EXAMS
 Education and Experience
 Other

SMIC QUALIFICATION

WESCARB State _____
 Exam G After Dec., 65 Yes No
 Prof. Exam after 1974 Yes No
 Seminar - State _____ Date _____

Treatise filed w/ _____ State _____ Date _____
 Treatise req'd by Arizona
 Rec'd _____ Apprv'd _____
 Date _____ Date _____

EXPERIENCE:

1/39-9/42-Capitol Broadcasting/Radio Engr.
 9/41-9/42-NC State Univ/Instructor/teach radio communications classes.
 9/42-2/46-Norfolk Naval Shipyard/Radio Engr/systems des.,planned install.,dir. mtnc.of radio,radar equipments.involving transmitters,receivers,test equip.,fire control,search radar;circuit des.trans. equip.modernization;check-out,crew instruction;data rept.,anal.
 5/46-7/47-May & Bond/Radio Des.Engr/allocation studies,field intensity measurements,computed directional antenna patterns,prep.engrg.portions of formal apps.filed w/FCC.
 8/47-11/59-G.P.Adair Engrg/Radio Des. Engr/des.AM directional antenna systems, tuning networks;adj.directional arrays, field intensity surveys;engrg.advisor to FCC & Dept.of State during international negotiations.
 11/59-11/66-National Aeronautics,Space Admn/Elect.(Comm.)Engr/spvry.engrg.dir. in dvlpmt.,des.,activation of global ground communications facilities linking satellite tracking stations to mission control centers;gen.spvrn.over comm. operations during early manned orbital missions;tech.cons.services in dvlpmt.of performance specs & des.of control center info & control systems.
 11/66-Pres.-Silliman,Moffet & Kowalski/Sr.Comm.Engr/des.AM antenna tuning systems.adjust.AM directional arrays,perform field intensity survs. for AM,FM,TV stations;gen.equip.specs;perform allocation studies;prep.engrg.material for filing w/FCC;perform propagation anal. [] []

RE

40 3/4 yr.

(YEARS)

QUALIFICATIONS SHEET

Applicants with "NO PRIOR" Registrations
(Bona Fide Residents of Arizona Only)

NAME Paul Arthur
Proficiency Requested Mining
Birth Date 11/4/26 Age 52

EDUCATION:

Applicant has no degree and is applying on experience only

Information and degrees shown were verified from transcripts

Colorado School of Mines

(INSTITUTION)

Engineer of Mines 5/25/51

(DEGREE)

(DATE)

(INSTITUTION)

(DEGREE)

(DATE)

(INSTITUTION)

(DEGREE)

(DATE)

Suggested credit allowable for education 4
(YEARS)

BUSINESS ADDRESS:

Anamax Mining Company
P.O. Box 127
Sahuarita, AZ 85629

PROFESSIONAL QUALIFICATIONS:

Arizona EIT or GIT No. _____
EIT issued in State of _____
on _____ by _____
(DATE) (8-HR. EXAM. MIN.)

PREVIOUS APPLICATIONS:

Denied in _____
on _____ for _____
(DATE)

Suggested credit allowable for experience 26
(YEARS)

EXPERIENCE:

6/50-9/50: Helper/20T Motorman/Climax Molybdenum/Summer vacation employment
6/51-12/51: Trainee, Contract Miner/ASARCO/Underground lead-zinc mine using square set set mining methods.
12/51-1/53: Jr. Engr./ASARCO/Surv. open pit progress, min. claims, roads & pipelines dur. dev. of the proj.
2/53-9/63: Shift Foreman, Gen. Fore., Asst. Mine Supt., Mine Supt./Anaconda/Lge. open pit copper mine using both rail & truck haulage.
11/63-11/68: Gen. Mine. Supt./Palabora Pit plann., des. of shop, office, maint. fac., spec. & purch. mine equip hiring & train. mine crew.
11/68-11/73: Director-Mining/Rio Tinto Mgmt. Svs./Res. for cost est. & mine plann. of all Rio Tinto exploration proj. in Southern Africa
1/74-present: VP/Pres./Anamax Mining/In chg. of lge. scale open pit copper mine

RECOMMENDATIONS (Evaluation Commi

Personal Audience Held and Satisfactory

- Grant Registration on _____
 Hold For Examinations Checked [1]
 Hold for Comprehensive Oral by Board
 Deny for lack of experience (needs _____
 Deny for failure to appear or complete r

TO EVALUATION COMMITTEE FOR CONSIDERATION:

Total Suggested Credited Years for Education and Experience 30

Hold for personal audience on August 17, 1979 at 10:40
(DATE) (TIME)

Hold for Examinations Checked [1] [2] [3] [4] [5] [6]

Committee to determine qualifications for registration
EXCELLENT RECORD

By Eluc
(INITIALS)

Application No. 79-335

Date Received 5/10/79

Application Date 5/9/79

REFERENCES: 4 registered
1 not registered

1. Reg.-R.B. Bhappu/Most qualified. Very well qualified & recommend without reservations. Asset to his profession.
2. Non-Reg.-A.J. McDonnell/Exceptional engineer & good manager, ethical.
3. Reg.-W.K. Pincock/Well qualified both personally & professionally.
4. Reg.-M.C. Kuhn/He is of the highest moral, ethical & professional caliber. Eminently qualified.
5. Reg.-E.J. Eisenach/An asset to the profession. An exceptionally talented engineer with administrative abilities. A hard worker, efficient & of high integrity. Works rapidly.

tee to Board) September 7, 1979
(DATE)

AJC 1
(DATE)

[2] [3] [4] [5] [6]
November 1979
(STARTING DATE)

_____ years)

requirements. _____
(DATE)

APPLICANT'S RECORD SHEET

04792

No. 80-145

Name Johnson, Fred Maynard

Age 41

Date

Rec'd 2/25/80

Business Address
Consulting Geologist
P.O. Box 2162
Ango, CO 81301

Proficiency Requested (branch)

- Architect
- Prof. Engr.
- Assayer
- Land Surveyor
- Geologist
- Landscape Architect

EDUCATION

No degree
 Transcripts Verified
 Accredited Program

- 1) Univ. of Texas BA Geology 6/2/62
 Years University Degree Date
- 2)
- Remarks: Credit 4 Yrs.

EXPERIENCE (See Summary on Reverse Side)

15 1/2 Years + 4 Years (Education credit) = 19 1/2 Years (Education and Experience)

PROFESSIONAL QUALIFICATIONS

PRIOR Registration in State of Delaware 3/1/77 by State Date

Written Examination Hrs. (See Exam Detail Reverse Side)

Education & Experience
Other

NCARB Cert #
NCEE Record #
CLARB Record #

Other Registrations
by
by
by

Seismic Qualification
Treatise to
Seminar Credit fr

IN-TRAINING QUALIFICATIONS (AZ Residents Only)

 Exams AIT EIT GIT LAIT Hrs.
State Cert # Date

NO Exams - Experience And/or Education only

REFERENCE SUMMARY 5 Reg. Non-Reg.

1. Reg.-R. Swerdfeger/Feel he is a competent, honest professional & is worthy of registration.
2. Reg.-A. Still/Qualified to be registered.
3. Reg.-W. Heinrichs/Satisfactory.
4. Reg.-R. Lauth/Well qualified in ethics & technical competence.
5. Reg.-W. Ashwill/Will be a credit through ethical & professional work in his field of geology.

RECOMMENDATION

Personal Audience Waived Held 8/7/80 Date

- Grant registration per ARS 123.A on Professional Qualifications shown above.
- Grant registration per ARS 123.B on passing examinations or submitting Seismic qualifications initiated below. Next examination series begins .

Exam	1	A	2	B	3	4	5	6	Seismic
	<u>GEOL</u>				<u> </u>	<u> </u>			
Exam		A		B					

Deny registration per ARS 123.C for Lack of yrs. satisfactory experience.
 Failure to complete requirements of Board.

c. Dir 8/6/80 Committee Board Confirmation
 Date 8/7/80 Date Minute Pg.

Granted Professional registration as on 102,
minute page , and assigned registration no. (Date)

Professional Qualifications

Examinations Completed - Examination State

In training

Professional

NCARB EXAMS

Exam G Date

- 36 Hr. C, D, E, F, G, H, I.
- 20 Hr. Equivalency A, B, C, D, E.
- 20 Hr. Qualifying A, B, C, D, E.
- 8 Hr. Qualifying A, B, C, D.
- 16 Hr. Professional I, II, III, IV.
- 12 Hr. Professional A (Design)

III-CLARB EXAMS

Date

- 20 Hr. UNE A, B, C, D, E.
- Hr.

IV - STATE EXAMS

- Hr.
- Hr.

NCEE EXAMS

- 8 Hr. Fundamentals of Engrg. AM, PM.
- 8 Hr. Principals & Practice AM, PM.
PE Branch
- 8 Hr. LS Fundamentals AM, PM.
- 4 Hr. LS Principals, Practice AM,

V - NO EXAMS

- XX Education and Experience
- Other

SEISMIC QUALIFICATION

- WESCARB State
- Exam G After Dec., 65 Yes No
- Prof. Exam after 1974 Yes No
- Seminar - State Date

- Treatise filed w/ State Date
- Treatise req'd by Arizona Rec'd Apprv'd Date

1/64-4/66: Tucson, AZ/Heinrichs Geoexploration/Explor. Geol. & Geophysicist/Exploration crew chief, using geol., geochem. & geophysics in the exploration for base & precious metals.
 4/66-1/67: Humboldt, AZ/Shattuck Denn Min. Corp./Mine Geologist/In chg. of all underground production & exploration geology in a 1000 t.p.d., volcanogenic, complex base metal sulfide mine.
 1/67-9/68: Ouray, CO/Idarado Mine/Mine Geologist/In chg. of underground production & exploration geology in a 1600 t.p.d., complex base metal sulfide mine.
 9/68-7/71: Silverton, CO/Dixilyn Corp./Chief Geol./In chg. of production geology & exploration.
 7/71-date: Durango, CO/Consulting Geologist/offering svcs. in proj. mgmt., minerals exploration, mining geology, mineral appraisals, geochem., geophysics, engrg. geol., hydrogeology & environ. geology.
 1/75-4/75PT Instructor of Geology at Ft. Lewis College, Durango, CO.

* Geol Panel split - 2 - Register w/o Exam
 1 - Hold for 3 & 4

(2)

APPLICANT'S RECORD SHEET

Name McCune, James

Age 54

No. 80-578
Date Rec'd 8/4/80

Business Address
Peter Lendrum
3820 N. Third St.
Phoenix, AZ 85012

Proficiency Requested (branch)

- Architect Prof. Engr. Structural
- Assayer Land surveyor
- Geologist Landscape Architect

EDUCATION

- No degree
- Transcripts Verified
- Accredited Program

1) ** Univ. of Dublin BAI CE 49
Years University Degree Date

2) _____
Remarks: No TRANSCRIPT Credit / Yrs.

**Not verified

EXPERIENCE (See Summary on Reverse Side) COMMITTEE NOTE: 25 YRS OF SOLID STRUC EXP.
30 2/3 Years + / Years (Education credit) = 30 2/3 Years (Education and Experience)

PROFESSIONAL QUALIFICATIONS

X PRIOR Registration in State of New York 3/18/77 by [Signature]
State Date

X Written Examination 8 Hrs. (See Exam Detail Reverse Side)
Education & Experience

- Other
- NCARB Cert # _____
- NCEE Record # _____
- CLARB Record # _____
- Other Registrations by _____
- _____ by _____
- _____ by _____

Seismic Qualification
Treatise to _____
Seminar Credit fr _____

IN-TRAINING QUALIFICATIONS (AZ Residents Only)

Exams AIT EIT GIT LAIT 8 Hrs.
State MASS Cert # 70765 Date 7/22/76
NO Exams - Experience And/or Education only

REFERENCE SUMMARY 5 Reg. _____ Non-Reg.

1. J.D. Cannon/One of the best trained, most intelligent, technically competent engineers I have met.
2. J. Isbell/There is no question that he is qualified. He possesses the technical ability & moral character.
3. W. LeMessurier/An outstanding engineer with strong professional qualifications. Recommend him.
4. G. Hartung/Ability is excellent. Would be a plus for your state.
5. J. Kunkle/Have no reservation with regards to his educational & practical experience. High level of professionalism.

RECOMMENDATION

- COMMITTEE CONSIDER WAIVER OF EXAMS - 25 YRS EXP = 25 YRS (quid pro)
- Grant registration per ARS 123.A on Professional Qualifications shown above.
- Grant registration per ARS 123.B on passing examinations or submitting Seismic qualifications initiated below. Next examination series begins APR 81.

Exam	1	A	2	B	3	C	4	D	5	6	Seismic
Exam		A		B					<u>[Signature]</u>	<u>[Signature]</u>	

Deny registration per ARS 123.C for _____ Lack of _____ yrs. satisfactory experience.
Failure to complete requirements of Board.

Exec. Dir. [Signature] 11/17/80 Committee [Signature] Board Confirmation _____
Date 11/14/80 Date _____ Minute Pg. _____

Granted Professional registration as _____ on _____ (Date)
minute page _____, and assigned registration no. _____

Will submit a copy of transcript 2/8/81 104
Consider waiver of Exams on receipt of transcript

NOTE: I USED THIS SHEET TO REGISTER AS STEEL ERECTOR IN 1976. I WAS TOLD BY THE BOARD THAT I WAS NOT QUALIFIED TO REGISTER AS STEEL ERECTOR. I WAS TOLD BY THE BOARD THAT I WAS NOT QUALIFIED TO REGISTER AS STEEL ERECTOR.

Professional Qualifications

Examinations Completed - Examination State

Massachusetts
In training

14795
New York
Professional

- I - NCARB EXAMS Exam G Date _____
- ___ 35 Hr. ___ C, ___ D, ___ E, ___ F, ___ G, ___ H, ___ I.
 - ___ 20 Hr. Equivalency ___ A, ___ B, ___ C, ___ D, ___ E.
 - ___ 20 Hr. Qualifying ___ A, ___ B, ___ C, ___ D, ___ E.
 - ___ 8 Hr. Qualifying ___ A, ___ B, ___ C, ___ D.
 - ___ 16 Hr. Professional ___ I, ___ II, ___ III, ___ IV.
 - ___ 12 Hr. Professional ___ A (Design)

- II - NCCE EXAMS
- 8 Hr. Fundamentals of Engrg. ___ AM, ___ PM.
 - 8 Hr. Principals & Practice ___ AM, ___ PM.
PE Branch
 - ___ 8 Hr. LS Fundamentals ___ AM, ___ PM.
 - ___ 4 Hr. LS Principals, Practice ___ AM, ___ PM.

- III - CLARB EXAMS Date _____
- ___ 20 Hr. UNE ___ A, ___ B, ___ C, ___ D, ___
 - ___ Hr.

- IV - STATE EXAMS
- ___ Hr.
 - ___ Hr.

- V - NO EXAMS
- ___ Education and Experience
 - ___ Other

SEISMIC QUALIFICATION

- ___ WESCARB State
- ___ Exam G After Dec., 55 ___ Yes ___ No
- ___ Prof. Exam after 1974 ___ Yes ___ No
- ___ Seminar - State ___ Date _____

- ___ Treatise filed w/ _____ State _____ Date _____
- ___ Treatise req'd by Arizona Rec'd _____ Apprv'd _____ Date _____ Date _____

3/49-6/53: Imperial Chemical Industries/Design Engineer/Des. reinf. coal bunkers. In chg. of const. of chemical plant. Des. pump. stations & add. & alterations to manuf. bldgs.
 7/53-7/54: Lasarides, Lount & Partners/Des. Engr., Chief Engr./Prelim des. for firm setting up business as spec. pre-stress. conc. consultants.
 7/54-9/54: City of Toronto/Jr. Works Engr./Temp. job pending process. of imigration papers to USA. In chrg. of const. of bridge over ravine.
 9/54-3/55: Rilco Laminated Products./Field Engr./Res. for promotion of laminated products.
 9/55-9/57: Koppers Co./Foundation Engr./Des. found. & other reinf. conc. elements for steel manuf. plant.
 9/57-3/61: Anderson Nichols Co./Des. Engr. and Asst. Chief Struct. Engr./Des. road bridges, indust. bldgs. & alterations to Texas towers. Des. float. drydock caisson.
 3/61-10/75: LeMessurier Assoc./Associate/Proj. des. engr, for engrg. firm which spec. in structural design of bldgs.
 11/75-8/80: Cannon Design/Director of Struct. Engrg./In complete charge of all structural engrg.

...has requested Mr. Allen from the Arizona Society of Landscape Architects... a statement supporting certain revision to ASL 11-194... Mr. Marlow expressed the opinion that to... Mr. Marlow's business could be done through his...

MINUTES OF SPECIAL MEETING
ARIZONA STATE BOARD OF TECHNICAL REGISTRATION

DECEMBER 19, 1980

A special meeting of the State Board of Technical Registration was held at the office of the Board, Room 315, Occupational Licensing Building, 1645 W. Jefferson, Phoenix, Arizona, on Friday, December 19, 1980. The meeting was called to order by Chairman Wayne O. Earley at 9:12 a.m..

PRESENT: Wayne O. Earley, Chairman
Charles E. O'Bannon, Vice-Chairman
Jimmie R. Nunn, Secretary
Hector C. Durand, Member
Rod J. Gomez, Member
William S. Gookin, Member
John B. Riggs, Member

F. Mark Edson, Executive Director
Patricia Wood, Administrative Secretary

ABSENT: Silas C. Brown, Member
Patricia J. Finely, Member
Evelyn Epstein, Asst. Attorney General

Those present constituted a quorum.

1. LEGISLATIVE COMMITTEE REPORT

- A. The Legislative Committee Report was presented by Mr. Rod Gomez. Report is shown on Minute Pages 04807 - 04814.

Mr. Durand called to the attention fo the Board the omission of Paragraph 32-128 E on Page 7 of the report and the omission of ARS 32-144, Paragraph B, on Page 8. It was indicated by the Executive Director this omission would be corrected and made a part of the report.

- B. Mr. Durand presented a minority report to the Board. Report is shown on Minute Pages 04815-16.

The Chairman recognized Mr. Allen Gross of the Arizona Society of Landscape Architects who presented a statement suggesting certain revision to ARS 32-144; and Mr. John Harlow of Harlow and Company who was in favor of the exemption of ARS 32-144 as proposed but indicated he would like to see the statute expanded beyond its present exemptions. Mr. Harlow expressed the opinion that to restrict his nursery business to landscape of single-family dwellings would be entirely unfair to him in the practice of his business.

Mr. Gomez addressed himself to this suggestion by indicating that it is the function of the Board to protect the health and welfare of the public and not to protect any one individual's business. The Executive Director suggested that the protection of Mr. Harlow's business could be done through his

Minutes of Special Meeting(cont'd)
December 19, 1980

landscape architecture division.

The Chairman called on Norman Aubuchon, a registered Landscape Architect in Mesa who indicated the amendment as proposed by the Legislative Committee was acceptable. It was his view that design work of the landscaping profession should require the registration of Landscape Architects, and that landscape contractors should not advertise for design work, and that anyone should be able to do landscape plans for a "detached" single-family dwelling.

The Chairman then called on James Wheat, a Tempe Landscape Architect and contractor. It was Mr. Wheat's opinion that ARS 32-144, Item 6, as proposed would be unworkable as defined, and that provisions for further exempting Landscape Contractors and Educators should be included.

Chairman Earley then recognized Mr. McMahan who addressed the Board on behalf of Landscape Contractors and said he does not feel by amending ARS 32-144 it will solve all the problems. Mr. McMahan questioned the wisdom of having a law that will guarantee a landscape architect a living. It was Mr. McMahan's position that everything should be exempt except projects where government funds are involved. Mr. McMahan stated he would like to see all planting plans exempt.

The Chairman then recognized Mr. Craig Potter who spoke in favor of the amending ARS 32-144 as proposed. Mr. Potter indicated that landscape profession should be no more regulated than the profession of Architects.

The Chairman then recognized Mr. Jeff Andrews who represented the Professional Land Surveyors Association. Mr. Andrews stated that there has to be definite verbage in the statute that separates the profession of land surveyors and engineers. He indicated that the proposals in ARS 32-101 "cut the heart out" of the act and will allow the professional engineer to practice land surveying but will not allow the land surveyors to do anything else. Mr. Andrews stressed the importance of property boundaries being set by professionals. Mr. Andrews was in favor of eliminating the provision of the grandfather provision from the statute.

The Chairman then recognized Mr. Curtis Drew, a professional Surveyor and Civil Engineer with Nykorchuk Associates, Inc. Mr. Drew concurred with Mr. Durand's suggestion that the wording "engineering surveying" should be defined in the statute and he requested that a clear-cut definition of "Land Surveyor" be adopted so that when a Civil Engineer does a boundary survey, he must be qualified to engage in this type of practice. It would be misleading to the public to say that a civil engineer was qualified to do boundaries. Regarding the grandfather clause he felt that it should be incorporated into law that anyone qualified under grandfather statute must have practiced land surveying and has expressed the desire to continue in the practice of land surveying as defined. A copy of Mr. Drew's proposal was distributed to the Board members and is attached to these minutes on Minute Book Page 04820.

The Chairman then recognized Mr. Bill Sawyer, Executive Director, Arizona Society of Professional Engineers. Mr. Sawyer indicated that if the Board proposed an amendment to the present statute separating land surveying from the practice of civil engineering that engineers would oppose it strongly even with the grandfather provision, and if the word "engineering" is inserted in ARS 32-101, Item 15, there may be the need for the grandfather clause.

A call for a motion to accept the recommendations as proposed by the Legislative Committee was delayed until the afternoon session.

The chairman recessed the meeting at 12:15 p.m. for lunch.

The afternoon session of the special meeting of the State Board of Technical Registration was called to order by Chairman Wayne O. Earley at 1:10 p.m.

Further discussion was held regarding the Board requiring further testing of engineers who would then be allowed to practice boundary surveying.

The chairman commended Mr. Gomez and his committee in drafting the majority report and said the consensus of opinion of the Board members that boundary surveying should be done by licensed surveyors, that professional engineers should not be licensed to do boundary surveying, and that by not allowing the engineers to grandfather into the surveying profession would be placing a penalty on presently registered engineers.

MOTION: It was moved by Mr. Gookin and seconded by Mr. Durand that ARS 32-101, Items 1-6 on Page 1-2 of the majority report be adopted. Motion carried.

MOTION: It was moved by Mr. Gookin and seconded by Mr. Riggs that the Board adopt the majority report as proposed by the Legislative Committee Items 8,9,10, 11, 12, 13 and 14. Motion carried.

MOTION: It was moved by Mr. Gookin that the words "and the law of evidence," as proposed by the Legislative Committee in the majority report, Item 15, line 45, ARS 32-101, be deleted.

MOTION: It was moved by Mr. Durand to amend Mr. Gookin's motion so that Item 15, line 45, ARS 32-101, of the majority report read "and the gathering of evidence", rather than delete "law of evidence." Motion seconded by Mr. Nunn. Motion on amendment carried.

Motion on original motion carried.

MOTION: It was moved by Mr. Durand and seconded by Mr. Riggs that the Board adopt the amendment to ARS 32-101(15), line 38 through 48. Motion carried.

MOTION: It was moved by Mr. Durand and seconded by Dr. O'Bannon that the Board adopt lines 49 through 52 of ARS 32-101, Page 4, of the majority report, including lines 1 through 4 on Page 5 of the majority report. Motion carried.

MOTION: Dr. O'Bannon moved that the Board adopt ARS 32-101(17) line 5 through 25 of the majority report.

Mr. Durand spoke against the motion as stated and made a motion for an amendment to Dr. O'Bannon's motion that the following sentence be included in the latter portion of Paragraph 17, Page 5, of the majority report:

this paragraph shall not be construed to prohibit a registered engineer, architect or landscape architect from doing any work included in his respective practice if such work does not involve the establishment or reestablishment of property corners or property lines or the writing of land descriptions.

Mr. Durand's amendment to Dr. O'Bannon's motion was seconded by Mr. Nunn.

Dr. O'Bannon requested a roll-call vote on the amendment to the original motion. Motion carried with the following votes:

Wayne O. Earley	-	No
Charles E. O'Bannon	-	No
Jimmie R. Nunn	-	No
Hector C. Durand	-	Yes
Rod J. Gomez	-	No
William S. Gookin	-	No
John B. Riggs	-	No

The Chairman called for a roll-call vote on the original motion made by Dr. O'Bannon for the Board's adoption of Paragraph 17 of the majority report. Motion carried with the following votes:

Wayne O. Earley	-	Yes
Charles E. O'Bannon	-	Yes
Jimmie R. Nunn	-	Yes
Hector C. Durand	-	No
Rod J. Gomez	-	Yes
William S. Gookin	-	No
John B. Riggs	-	Yes

MOTION: Mr. Riggs moved ARS 32-101(14), Page 4, line 34, of the majority report insert a period after the word "paragraph"; delete the rest of that line, plus line 35, 36, and 37. The motion was seconded by Mr. Durand. Motion carried.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Nunn that the Board adopt ARS 32.-105, 32-108, and 32-110, as proposed for revision by the Legislative Committee and as shown Page 5 of the Majority Report.

MOTION: It was moved by Mr. Durand and seconded by Mr. Gookin that the word "Agents" be substituted for the word "Consultants" in ARS 32-110, as proposed for revision by the Legislative Committee and as shown on Page 5 of the Majority Report, Line 47. Motion carried.

The motion made by Dr. O'Bannon and as amended by motion made by Mr. Durand was carried.

MOTION: It was moved by Dr. O'Bannon that ARS 32-122(A) as proposed for revision by the Legislative Committee, as shown on Page 6 of the Majority Report, be amended as follows:

Delete all words following "years", Line 13, followed by a period. Then add the sentence on Line 13 as follows:
"In addition, a maximum of two years of experience may be granted for teaching college upper division and graduate courses in the discipline for which registration is sought."

Motion seconded by Mr. Riggs. Motion carried.

MOTION: It was moved by Mr. Durand and seconded by Dr. O'Bannon that the Board adopt ARS 32-122(B), as revised by the Legislative Committee in its majority report. Motion carried.

MOTION: It was moved by Mr. Durand and seconded by Dr. O'Bannon that the Board adopt ARS 32-126, and 32-128, as revised by the Legislative Committee in its majority report.

MOTION: It was moved by Mr. Gookin and seconded by Mr. Riggs that that ARS 32-128(E) be amended by the insertion of the words "or suspension" following the wording in the third line of such Section, as follows: "in the state of the revocation..."; and of the insertion in the fourth line of the words "or suspended," following the words "of the reissuance of a revoked..."; and that this Section be added to the Legislative Committee's majority report as amended. Motion carried

MOTION: It was moved by Mr. Gookin and seconded by Mr. Riggs that the Board adopt the motion made by Mr. Durand as amended by Mr. Gookin. Motion carried.

MOTION: It was moved by Mr. Riggs and seconded by Mr. Nunn that the Board adopt ARS 32-141, as revised by the Legislative Committee in its majority report. Motion carried.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Riggs that ARS 32-144, Paragraphs 1 through 5, as revised by the Legislative Committee's in its majority report be adopted by the Board. Motion carried.

MOTION: It was moved by Mr. Gookin and by Mr. Gomez that ARS 32-144, Paragraph 6, as revised by the Legislative Committee in its majority report, be amended to read as follows, after the word "Dwelling" on Line 26, Page 8:

, exclusive of common property of mutiple
unit housing,

Motion carried.

MOTION: It was moved by Mr. Nunn and seconded by Dr. O'Bannon that additional wording be added to ARS 32-144, Paragraph 6 as follows:

, or who designs landscaping projects the cost
of which does not exceed \$5,000.

Motion carried.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Riggs that ARS 32-101, Paragraph 7, as revised by the Legislative Committee in its majority report, be adopted with the request that the words "teaching of graduate level engineering subjects" be in all upper case type, as follows:

TEACHING OF GRADUATE LEVEL ENGINEERING SUBJECTS...

and the inclusion of Section 3, A. B. C. and D. and Section 4A as proposed by Arizona Land Surveyors' Association as follows:

4 Sec. 3. Current registrants

5 A. ANY PROFESSIONAL ENGINEER WHO IS REGISTERED IN THE STATE OF
6 ARIZONA PRIOR TO THE EFFECTIVE DATE OF THIS ACT AND WHO HAS ACTIVELY
7 PRACTICED LAND SURVEYING AS DEFINED IN SECTION 32-101, ARIZONA REVISED
8 STATUTES, MAY, WITHIN SIX MONTHS OF THE EFFECTIVE DATE OF THIS ACT,
9 APPLY TO THE BOARD FOR REGISTRATION AS A LAND SURVEYOR.

1 B. THE APPLICATION FORM SHALL CONTAIN AN AFFIDAVIT
2 SIGNED BY THE APPLICANT ATTESTING TO THE FACT THAT THE
3 APPLICANT HAS PRACTICED LAND SURVEYING PRIOR TO THE EFFECTIVE
4 DATE OF THIS ACT. THE STATE BOARD OF TECHNICAL REGISTRATION
5 SHALL, AFTER RECEIPT OF THE APPLICATION, ~~AND~~ THE PAYMENT OF
6 FEES REGISTER THE APPLICANT AS A LAND SURVEYOR.

7 C. IF WITHIN TWENTY-FOUR MONTHS OF THE EFFECTIVE DATE OF
8 THIS ACT AN APPLICANT HAS NOT COMPLETED ALL STATUTORY AND
9 BOARD REQUIREMENTS FOR REGISTRATION THEN THE APPLICATION
10 SHALL BE DENIED.

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D. A REGISTERED PROFESSIONAL ENGINEER WHO IS ALSO AN APPLICANT FOR REGISTRATION AS A LAND SURVEYOR AS SPECIFIED IN SECTION 3-A SHALL NOT PRACTICE LAND SURVEYING AFTER THE TWENTY-FOURTH MONTH FOLLOWING THE EFFECTIVE DATE OF THIS ACT WITHOUT FIRST BEING REGISTERED AS A LAND SURVEYOR.

SEC. 4. INTENT REGARDING TERMINATION

A. NOTWITHSTANDING THE PROVISIONS OF THIS ACT, THE LEGISLATURE INTENDS THAT THE PROVISIONS OF TITLE 41, CHAPTER 20, ARIZONA REVISED STATUTES, OPERATE TO TERMINATE AN AGENCY, ANY PROVISIONS REGARDING POWERS, DUTIES, FUNCTIONS OR PERSONNEL ADDED OR AMENDED BY THIS ACT TERMINATE ON THE DATE OF TERMINATION OF THE PARTICULAR AGENCY.

MOTION: It was moved by Mr. Gomez and seconded by Mr. Nunn that Mr. Nunn's motion be amended as follows:

Sec. 3, Paragraph B. of the legislation proposed by the Arizona Land Surveyors' Association be amended as follows:

B. THE APPLICATION SHALL BE SUBMITTED ON A FORM OF THE BOARD AND SHALL CONTAIN AN AFFIDAVIT SIGNED BY THE APPLICANT ATTESTING TO THE FACT THAT THE APPLICANT HAS PRACTICED LAND SURVEYING AS INDICATED ON THE FORM PRIOR TO THE EFFECTIVE DATE OF THIS ACT. THE STATE BOARD OF TECHNICAL REGISTRATION SHALL, AFTER RECEIPT OF THE APPLICATION, PAYMENT OF THE FEES, AND APPROVAL OF THE APPLICANT'S EXPERIENCE RECORD, REGISTER THE APPLICANT AS A LAND SURVEYOR.

Motion carried.

The motion made by Mr. Nunn as amended by Mr. Gomez was carried.

C. The Committee instructed the Executive Director to seek a Legislative sponsor for the Board's recommended legislation.

Mr. Gomez, Chairman of the Legislative Committee, reported that the Executive Director has contacted Don Kenney, and Mr. Kenney has agreed to introduce the legislative bill. Mr. Kenney has been appointed Chairman of the House Committee on Professions, Occupations, and Tourism.

2. ENFORCEMENT COMMITTEE REPORT

- A. Enforcement Committee Meeting of December 18, 1980, minutes appear on Minute Book Pages 04824-56.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Gomez that the Board adopt the Proposed Procedure for Handling Complaints as proposed in a memorandum from the Executive Director on October 29, 1980. Motion carried.

- B. 1. Complaint - 0021-79 - BTR vs. Willdan Associates

MOTION: It was moved by Mr. Gomez and seconded by Mr. Gookin that the registrants and licensees, Mr. Dale C. Carter and Mr. Richard Pearce be held for violation of Article 32-128(A.2) with regard to professional negligence and misconduct in the practice of their profession and that the Board take disciplinary action against the certificate holders under this chapter to the extent of a fine of \$1,000 each and be placed on probation for 12 months. That Dale C. Carter and Richard Pearce were offered a Consent Agreement, and in the event they refuse to sign a Consent Agreement, they be held for final hearing before the Enforcement Committee.

MOTION: It was moved by Mr. Gookin and seconded by Mr. Nunn that Mr. Gomez's motion be amended in that the registrant, Dale C. Carter, be fined \$2,000 plus costs and accept one years probation, and that Richard Pearce be fined \$1,000 and accept six months probation. Motion carried.

The motion as originally proposed by Mr. Gomez and as amended by Mr. Gookin carried.

2. Compliance certificates received as shown in Enforcement Committee Minutes of December 18, 1980, Minute Book Page 04824-56.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Riggs that the Board accept the compliance agreements and the cases be closed on the cases listed below. Motion carried.

79-0030 - BTR vs. Diversified Drafting Service

- 1) Clay A. Chiappini - non-req. 11/6/80
- 2) David M. Niese - GE #8081 - 10/30/80

79-0076 - BTR vs. Concept 2000, Inc.

- 1) Herman J. Fraunhoffer - non-req. 10/9/80

79-0104 - BTR vs. Davis Assoc.

- 1) Richard A. Davis, Arch. #8512 - 10/21/80

Minutes of Special Board Meeting (cont'd)
December 19, 1980

79-0107 - BTR vs. Irwin G. Pasternak, AIA

1) Irwin G. Pasternak, Arch. #10087 - 10/27/80

80-0020 - BTR vs. Horkey & Assoc.

1) Edward J. Horkey, non-req. - 11/7/80

80-0022 - BTR vs. Christopher L. Standage

1) Christopher L. Standage, non-req. - 10/13/80

80-0023 - BTR vs. Sierra Blanca Builders

1) Chris H. Bell, non-req. - 10/13/80

80-0028 - BTR vs. Town of Duncan

1) William Lackey, Mayor, non-req. - 10/14/80

80-0044 - BTR vs. Robert L. Lake

1) Robert L. Lake, non-req. - 10/23/80

3. Complaint - 80-0024 - TRB vs. Gene R. Fontes

MOTION: It was moved by Mr. Durand and seconded by Mr. Nunn that this case be referred back to the Enforcement Committee as a whole for whatever action this committee may deem necessary. Motion carried. Mr. Gookin abstaining.

4. Communications of Enforcement Committee

- A. Letter to Attorney General's Office regarding application of immunity to the Board's advisory panels and memo from D.B. Nygaard, Risk Management Services, dated November 13, 1980, responding to this inquiry.

MOTION: It was moved by Mr. Durand and seconded by Mr. Gomez that each discipline represented by Board members provide the Executive Director with five names to serve on a Advisory Panel for each discipline represented by the Board with the exception of engineering which will submit seven names and a panel of five will be selected to serve on the Engineering Advisory Panel from those seven names, and that the Board will approve those names before December 31, 1980. Motion carried.

Minutes of Special Board Meeting (cont'd)
December 19, 1980

- B. The Chairman distributed pamphlets to the Board members entitled The Landscape Architect, which was written by the California State Board of Landscape Architects. The Chairman indicated this pamphlet would be useful in communicating to the Legislature what a landscape architect is and the type of work that is engaged in by the landscape architect. The Chairman called for a motion to pay for 200 of these pamphlets at a total cost of \$50 to be distributed to members of the Legislature.

MOTION: It was moved by Mr. Durand and seconded by Mr. Nunn that the Board approve a \$50 expenditure for 200 pamphlets entitled The Landscape Architect to be distributed to members of the Legislature. Motion carried.

- C. The Chairman discussed the progress that had been made by the Executive Director and himself in making a supplemental application to the Board's 1981-82 budget with Representative Goodwin, Chairman of the House Appropriations Subcommittee. It was indicated by Chairman Earley that Representative Goodwin will support this request, and that the Supplemental Appropriation for 1981-82 will be introduced in mid January, which would authorize the two additional Grade 20 positions and the upgrading of the Administrative Assistant II to Administrative Assistant III, Grade 17, which would authorize 4.5 additional people, making an additional budget request of approximately \$90,000.

In addition to the supplemental budget request for 1981-82, a meeting was held with Mr. Richard Rabago, Assistant Director of Personnel, to obtain his approval to upgrade the Administrative Asst. II position to Administrative Asst. III. Mr. Rabago instructed his staff to work with the Executive Director to expedite this so that the certification list for the Administrative Asst. II will not be required by Personnel to be used.

5. Mr. Nunn, Chairman of the By-laws Committee, reported on a meeting of his committee held at his office on December 15, 1980, at 4:00 p.m. The meeting was attended by Mr. Edson, Ms. Finley, and the law clerk that had been engaged by the Board. Mr. Nunn indicated the law clerk would be working almost full time during his holiday break from ASU. Another meeting is scheduled for December 30, 1980, with the hope of having a full committee meeting right after January 1, 1981, to look at the first draft of the revisions on the By-laws. Mr. Nunn indicated that the By-laws were not being corrected and modified but instead a whole new set of By-laws would be proposed to replace the present By-laws.

Minutes of Special Board Meeting (cont'd)
December 19, 1980

3. REPORT OF THE EXECUTIVE DIRECTOR

- A. The Executive Director reported he will have public relations representation in the future for the purpose of getting press releases.
- B. Several Compliance and Consent Agreements on various complaint matters are ready to go to the respondents and will be sent out next week.

4. OTHER BOARD BUSINESS

MOTION: It was moved by Mr. Riggs and seconded by Mr. Gookin that a letter be sent by the Executive Director to the Board of Regents of Arizona State University with copies to President Schwada and Mr. Penick regarding letters of compliance that have not been received and to which the Board would like a response; that this letter be sent "return receipt requested", and if a response is not received within 14 days of the date of this letter, that further action be considered.

5. NEW BUSINESS

Mr. Durand expressed his concern over the letter received October 22, 1980, from Bruce L. Dusenberry, Attorney, asking advise for a client on a proposed consulting matter; his client, Harrel Consulting. It was Mr. Durand's concern that Harrel Consulting would be allowed to practice engineering to a degree of a professional engineer.

The Chairman responded to Mr. Durand with the request to the Executive Director that a letter be written to Mr. Dusenberry pointing out the statutes in this matter and the penalty for any violation. The Chairman requested the Executive Director send Mr. Durand a copy of a draft of the letter before it is sent to Mr. Dusenberry.

6. ADJOURNMENT:

MOTION: It was moved by Mr. Riggs and seconded by Mr. Gookin that the meeting be adjourned. Motion carried.

Meeting adjourned 5:40 p.m.

Be it enacted by the Legislature of the State of Arizona:

Section 1. Section 32-101, Arizona Revised Statutes is amended to read:

32-101. Purpose, definitions

A. The purpose of this chapter is to provide for the safety, health and welfare of the public through the promulgation and enforcement of standards of qualification for those individuals licensed and seeking licenses pursuant to this chapter.

B. In this chapter, unless the context otherwise requires:

1. "Architect" means a person who, by reason of his knowledge of the mathematical and physical sciences, and the principles of architecture and architectural engineering acquired by professional education and practical experience, is qualified to engage in the practice of architecture as attested by registration as an architect.

2. "Architect-in-training" means a candidate for registration as a professional architect who is a graduate of a school approved by the board as of satisfactory standing or who has EDUCATION AND experience as outlined in the current standards of the national council of architectural registration boards in architectural work WHICH MEETS STANDARDS SPECIFIED BY THE BOARD IN ITS RULES AND REGULATIONS. In addition, the candidate shall have successfully passed the ARCHITECT-IN-TRAINING examination SPECIFIED BY THE BOARD'S RULES in the basic architectural subjects. Upon completion of the requisite years of training and experience in the field of architecture under the supervision of a professional architect satisfactory to the board, the architect-in-training shall be eligible for the second stage of the prescribed examination for registration as a professional architect.

3. "Architectural practice" means any service or creative work requiring architectural education, training and experience, and the application of the mathematical and physical sciences and the principles of architecture and architectural engineering to such professional services or creative work as consultation, evaluation, design and review of construction for conformance with contract documents and design, in connection with any building, planning or site development. A personal shall be deemed to practice or offer to practice architecture who in any manner represents himself

1. to be an architect, or holds himself out as able to perform
 2. any architectural service or other services recognized by
 3. educational authorities as architecture.
4. "Assayer" means a person who analyzes metals, ores,
 5. minerals, or alloys in order to ascertain the quantity of
 6. gold or silver or any other substance present in them.
7. "Board" means the state board of technical regis-
 8. tration.
9. "Engineer" means a professional engineer who, by
 10. reason of special knowledge of the mathematical and physical
 11. sciences and the principles and methods of engineering anal-
 12. ysis and design, acquired by professional education and
 13. practical experience, is qualified to practice engineering
 14. as attested by his registration as a professional engineer.
15. "Engineering practice" means any professional
 16. service or creative work requiring engineering education,
 17. training and experience and the application of special know-
 18. ledge of the mathematical, physical and engineering sciences
 19. to such professional services or creative work as consultation,
 20. research investigation, evaluation, planning, ENGINEERING
 21. surveying, design, location, development, teaching of graduate
 22. level engineering subjects, and review of construction for
 23. conformance with contract documents and design, in connection
 24. with any public or private utility, structure, building, ma-
 25. chine, equipment, process, work or project. Such services
 26. and work include plans and designs relating to the location,
 27. development, mining and treatment of ore and other minerals.
 28. A person shall be deemed to be practicing or offering to
 29. practice engineering if he practices any branch of the pro-
 30. fession of engineering or by verbal claim, sign, advertise-
 31. ment, letterhead, card or any other manner represents himself
 32. to be a professional engineer, or holds himself out as able
 33. to perform or does perform any engineering service or other
 34. service or recognized by educational authorities as engineer-
 35. ing. A person employed on a full-time basis as an engineer
 36. by an employer engaged in the business of developing, mining
 37. and treating ores and other minerals shall not be deemed to
 38. be practicing engineering for the purposes of this chapter
 39. if he engages in the practice of engineering exclusively for
 40. and as an employee of such employer and does not hold him-
 41. self out and is not held out as available to perform any
 42. engineering services for persons other than his employer.
43. "Engineer-in-training" means a candidate for re-
 44. gistration as a professional engineer who is a graduate in
 45. an approved engineering curriculum of four years or more of
 46. a school approved by the board as of satisfactory standing,
 47. or who has had four years or more of EDUCATION AND experi-
 48. ence in engineering work of a character satisfactory to
 49. the board WHICH MEETS STANDARDS SPECIFIED BY THE BOARD IN
 50. ITS RULES AND REGULATIONS and, in addition, has success-
 51. fully passed the ENGINEER-IN-TRAINING examination SPEC-
 52. FIED BY THE BOARD'S RULES in the basic engineering subjects;

1. and who, upon completion of the requisite years of training
2. and experience in engineering under the supervision of a
3. professional engineer satisfactory to the board, is eligible
4. for the second stage of the prescribed examination for
5. registration as a professional engineer.

6. 9. "Geological Practice" means any professional service
7. or work requiring geological education, training, and experience,
8. and the application of special knowledge of the earth sciences
9. to such professional services as consultation, RESEARCH INVESTI-
10. GATION, GEOLOGIC MAPPING, EVALUATION AND INTERPRETATION OF
11. ROCK AND UNCONSOLIDATED EARTH MATERIALS, METALLIC AND NON-METALLIC
12. MINERAL RESOURCES, MINERAL FUELS (COAL, OIL, NATURAL GAS,
13. URANIUM), GROUNDWATER RESOURCES, NATURAL HAZARDS, LAND USE
14. LIMITATIONS RELATED TO EARTH MATERIALS AND PROCESSES evaluation
15. of mining properties, petroleum properties, and groundwater
16. resources, professional supervision of exploration for mineral
17. natural resources including metallic and non-metallic ores,
18. petroleum, and groundwater, and the geological phase of en-
19. gineering investigations.

20. 10. "Geologist" means a person, not of necessity an
21. engineer, who by reason of his special knowledge of the earth
22. sciences and the principles and methods of search for and
23. appraisal of mineral or other natural resources USED IN LOCAT-
24. ING AND EVALUATING MINERAL AND NON-RENEWABLE ENERGY RESOURCES,
25. GROUNDWATER RESOURCES, NATURAL HAZARDS, AND LAND USE LIMITA-
26. TIONS RELATED TO EARTH MATERIALS acquired by professional
27. education and practical experience is qualified to practice
28. geology as attested by his registration as a professional
29. geologist. A person employed on a full-time basis as a
30. geologist by an employer engaged in the business of developing,
31. mining or treating ores and other minerals shall not be deemed
32. to be engaged in "geological practice" for the purposes of
33. this chapter if he engages in geological practice exclusively
34. for and as an employee of such employer and does not hold him-
35. self out and is not held out as available to perform any geo-
36. logical services for persons other than his employer.

37. 11. "Geologist-in-training" means a candidate for re-
38. gistration as a professional geologist who is a graduate of
39. a school approved by the board as of satisfactory standing or
40. who has had four years or more of EDUCATION AND experience in
41. geological work of a character satisfactory to the board
42. WHICH MEETS STANDARDS SPECIFIED BY THE BOARD IN ITS RULES AND
43. REGULATIONS. In addition, the candidate shall have success-
44. fully passed the GEOLOGIST-IN-TRAINING examinations SPECIFIED
45. BY THE BOARD'S RULES in the basic geology subjects. Upon
46. completion of the requisite years of training and experience
47. in the field of geology under the supervision of a professional
48. geologist satisfactory to the board, the geologist-in-training
49. shall be eligible for the second stage of the prescribed exami-
50. nation for registration as a professional geologist.

51. 12. "Landscape architect" means a person who, by reason
52. of his professional education, practical experience, or both,

1. is qualified to engage in the practice of landscape architecture
2. as attested by his registration as a landscape architect.

3. 13. "Landscape architect-in-training" means a candidate
4. for registration as a professional landscape architect who is
5. a graduate of a school approved by the board as of satisfactory
6. standing or who has had ~~four-years-or-more-of~~ EDUCATION AND
7. experience in landscape work ~~of-a-character-satisfactory-to~~
8. ~~the-board-~~ WHICH MEETS STANDARDS SPECIFIED BY THE BOARD IN
9. ITS RULES AND REGULATIONS. In addition, the candidate shall
10. have successfully passed the LANDSCAPE ARCHITECT-IN-TRAINING
11. examinations SPECIFIED BY THE BOARD'S RULES. ~~in-the-basic~~
12. ~~landscape-architectural-subjects--Upon-completion-of-the~~
13. ~~requisite-years-of-training-and-experience-in-the-field-of~~
14. ~~landscape-architecture-under-the-supervision-of-a-professional~~
15. ~~landscape-architect-satisfactory-to-the-board,-the-landscape~~
16. ~~architect-in-training-shall-be-eligible-for-the-second-stage~~
17. ~~of-the-prescribed-examination-for-registration-as-a-professional~~
18. ~~landscape-architect-~~

19. 14. "Landscape architectural practice" means the perfor-
20. mance of professional services such as consultations, investi-
21. gation, reconnaissance, research, planning, design, or res-
22. ponsible supervision in connection with the development of
23. land and incidental water areas where, and to the extent that
24. the dominant purpose of such services is the preservation,
25. enhancement or determination of proper land uses, natural
26. land features, ground cover and planting naturalistic and
27. esthetic values, the settings and approaches to buildings,
28. structures, facilities or other improvements, natural
29. drainage and the consideration and the determination of
30. inherent problems of the land relating to erosion, wear
31. and tear, light or other hazards. This practice shall in-
32. clude the location and arrangement of such tangible objects
33. and features as are incidental and necessary to the purposes
34. outlined in this paragraph, but shall not include the making
35. of cadastral surveys or final land plats for official record-
36. ing or approval, nor mandatorially include planning for govern-
37. mental subdivisions.

38. 15. "Land Surveyor" means a person who engages ~~in-the~~
39. ~~practice-of-surveying-tracts-of-land-for-the-determination~~
40. ~~of-their-correct-locations,-areas,-boundaries,-and-descrip-~~
41. ~~tion,-for-the-purpose-of-conveyancing-and-recording,-or-for~~
42. ~~establishment-or-re-establishment-of-boundaries-and-plotting~~
43. ~~of-lands-and-subdivisions-~~ BY REASON OF HIS KNOWLEDGE OF THE
44. MATHEMATICAL AND PHYSICAL SCIENCES AND THE PRINCIPLES OF
45. LAND SURVEYING AND THE LAW OF EVIDENCE ACQUIRED BY PROFES-
46. SIONAL EDUCATION AND PRACTICAL EXPERIENCE, IS QUALIFIED TO
47. PRACTICE LAND SURVEYING AS ATTESTED BY HIS REGISTRATION AS A
48. LAND SURVEYOR.

49. 16. "LAND SURVEYOR-IN-TRAINING" MEANS A CANDIDATE FOR
50. REGISTRATION AS A PROFESSIONAL LAND SURVEYOR WHO IS A GRA-
51. DUATE OF A SCHOOL APPROVED BY THE BOARD AS OF SATISFACTORY
52. STANDING, OR WHO HAS EDUCATION AND EXPERIENCE WHICH MEETS

1. STANDARDS SPECIFIED BY THE BOARD IN ITS RULES AND REGULA-
 2. TIONS. IN ADDITION, THE CANDIDATE SHALL HAVE SUCCESSFULLY
 3. PASSED THE LAND SURVEYOR-IN-TRAINING EXAMINATION SPECIFIED
 4. BY THE BOARD'S RULES.

5. 17. "PRACTICE OF LAND SURVEYING" MEANS THE PERFORMANCE OR
 6. OFFERING TO PERFORM, EITHER IN PUBLIC OR PRIVATE CAPACITY, ANY
 7. ONE OR MORE OF THE FOLLOWING: THE MEASUREMENT OF LAND TO DE-
 8. TERMINE CORRECT AREA, CORRECT DESCRIPTION OR FOR CONVEYANCE;
 9. THE ESTABLISHMENT OR RE-ESTABLISHMENT OF LAND BOUNDARIES AND
 10. THE PLATTING OF LANDS OR SUBDIVISIONS THEREOF; THE LOCATION,
 11. RELOCATION, ESTABLISHMENT OR RE-ESTABLISHMENT OF ANY RIGHT-
 12. OF-WAY OR EASEMENT, BY USE OF THE PRINCIPLES OF LAND SURVEYING;
 13. THE DETERMINATION OF THE POSITION OF ANY MONUMENT OR REFERENCE
 14. POINT WHICH MARKS A PROPERTY LINE, BOUNDARY OR CORNER; THE
 15. SETTING, RESETTING OR REPLACING OF ANY SUCH MONUMENT OR REFER-
 16. ENCE POINT FOR THE PURPOSE OF DETERMINING CORRECT AREA OF LAND,
 17. CORRECT DESCRIPTION OF LAND, OR FOR CONVEYANCING. ADDITIONALLY,
 18. THE PRACTICE OF LAND SURVEYING MAY INCLUDE THE ACT OF MEASURING,
 19. LOCATING, ESTABLISHING OR RE-ESTABLISHING CORNERS, LINES, BOUN-
 20. DARIES, ANGLES, ELEVATIONS, CONTOURS AND NATURAL MAN-MADE
 21. FEATURES IN THE AIR, ON THE SURFACE OF THE EARTH, WITHIN UNDER-
 22. GROUND WORKINGS AND ON THE BEDS OF BODIES OF WATER, INCLUDING
 23. TOPOGRAPHY AND THE PREPARATION AND PERPETUATION OF MAPS, PLATS,
 24. FIELD NOTE RECORDS AND LAND DESCRIPTIONS THAT REPRESENT SUCH
 25. SERVICE OR WORK.

26. Section 2. Section 32-105, Arizona Revised Statutes, is
 27. amended to read:

28. 32-105. Organization

29. The board shall annually elect from its membership a chair-
 30. man, vice-chairman and secretary. It shall hold at least ~~two~~ FOUR
 31. regular meetings each year and such special or called meetings
 32. as the by-laws provide. A QUORUM OF THE BOARD SHALL CONSIST
 33. OF A MAJORITY OF THE MEMBERS.

34. Section 3. Section 32-108, Arizona Revised Statutes, is
 35. amended to read:

36. 32-108. Annual report; filing copies of lists of re-
 37. registrants

38. In SEPTEMBER January of each year the board shall make
 39. a report to the governor which shall be accompanied by a copy
 40. of the list of registrants. A copy of the list shall be filed
 41. with the secretary of state, and with the clerk of the board
 42. of supervisors of each county.

43. Section 4. Section 32-110, Arizona Revised Statutes, is
 44. amended to read:

45. 32-110. Immunity from personal liability

46. Members, and employees, MEMBERS OF ADVISORY COMMITTEES AND
 47. CONSULTANTS of the board are immune from personal liability
 48. with respect to acts done and actions taken in good faith
 49. within the scope of their authority.

50. Section 5. Section 32-122, Arizona Revised Statutes, is
 51. amended to read:

1. 32-122. Qualifications of applicants

2. A. An applicant for registration as an architect, engineer,
3. geologist, or landscape architect OR LAND SURVEYOR shall be of
4. good moral character and repute, and shall have engaged actively
5. for at least eight years in architectural, engineering, geolo-
6. gical, or landscape architectural, OR LAND SURVEYING, education
7. and experience which meets standards specified by the board in
8. its rules and regulations, but each year of teaching architectural,
9. engineering, geological, or landscape architectural, OR LAND
10. SURVEYING subjects or of study satisfactorily completed in an
11. architectural, engineering, geological, or landscape archi-
12. tectural, OR LAND SURVEYING school approved by the board up to
13. a maximum of five years may be considered equivalent to one year
14. of active engagement.

15. B. An applicant for registration as an assayer or a land
16. surveyor shall be of good moral character and repute and shall
17. have engaged actively for at least six years in assaying or
18. land-surveying education and experience which meets standards
19. specified by the board in its rules and regulations, but each
20. year of teaching assaying or land-surveying or of study satis-
21. factorily completed in a school approved by the board, up to a
22. maximum of four years, may be considered equivalent to one
23. year of active engagement.

24. Section 6. Section 32-126, Arizona Revised Statutes, is
25. amended to read:

26. 32-126. Registration without examination

27. The board may register without examination an applicant
28. who holds a valid and subsisting certificate of registration
29. issued by another state or foreign country which has require-
30. ments for registration substantially identical to those of
31. this state. ~~or who holds a certificate of qualification issued~~
32. ~~by a national bureau of registration or certification.~~

33. Section 7. Section 32-128, Arizona Revised Statutes, is
34. amended to read:

35. 32-128. Revocation of certificate; censure; probation;
36. hearing; notice of finding

37. A. The board may take disciplinary action against the
38. holder of a certificate under the chapter, charged with the
39. commission of any of the following acts:

40. 1. Fraud or misrepresentation in obtaining a certificate
41. of qualification, whether in the application or qualification
42. examination.

43. 2. Gross negligence, incompetence, bribery, or other
44. misconduct in the practice of his profession.

45. 3. Aiding or abetting an unregistered person to evade
46. the provisions of this chapter or knowingly combining or
47. conspiring with an unregistered person, or allowing one's
48. registration to be used by an unregistered person or acting
49. as agent, partner, associate or otherwise, of an unregistered
50. person with intent to evade provisions of this chapter.

51. 4. Violation of the rules or regulations of the board.

52. B. The board shall have authority to make investigations,
53. employ investigators, and conduct hearings to determine whether

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a license issued under this chapter should be revoked or suspended upon a complaint in writing, under oath, or when the board, after receiving an oral or written complaint not under oath, makes an investigation into such complaint and determines that there is sufficient evidence to warrant a hearing, on its own motion may direct the secretary to file a verified complaint charging a possessor of a certificate under this chapter, with commission of an offense subject to disciplinary action and give notice of hearing. The board may issue subpoenas for the attendance of witnesses and the production of records pursuant to section 41-1010, subsection A, paragraph 4. The secretary shall then serve upon the accused, by registered mail, a copy of the complaint together with notice setting forth the charge or charges to be heard and the time and place of hearing, which shall not be less than thirty days succeeding the mailing of notice.

C. The accused may appear personally or by his attorney at the hearing and present witnesses and evidence in his defense and he may cross-examine witnesses against him.

D. If ~~seven-or-more~~ A MAJORITY OF members of the board find the accused guilty, he may be censured, or placed on probation, and fined an amount not to exceed two thousand dollars or his certificate may be suspended or revoked but may be reissued upon the affirmative vote of ~~seven-or-more~~ A MAJORITY OF members of the board. Should the certificate of a registrant who is a principal of a firm or executive officer of a corporation be suspended or revoked for cause attributable to the firm or corporation, said revocation may be deemed just cause for revocation of the certificates of all or any other principals or officers of the firm or corporation.

Section 8. Section 32-141, Arizona Revised Statutes, is amended to read:

32-141. Firm or corporate practice

A. No firm or corporation shall engage in the practice of architecture, assaying, geology, engineering, landscape architecture, or land surveying unless the work is under the full authority and responsible charge of a registrant, who is also principal of the firm or officer of the corporation.

B. Firms or corporations shall identify responsible registrants. Each firm and corporation shall file with the board a list of responsible principles or officers, their registration certificate numbers and a description of the services the firm or corporation is offering to the public USING THE BOARD'S FORM. The board shall be notified of any change occurring in the list of principals or responsible corporate officers AND A REVISED IDENTIFICATION FORM SHALL BE FILED.

Section 9. Section 32-144, Arizona Revised Statutes, is amended to read:

32-144. Exemptions and limitations

A. Architecture, engineering, geology, assaying, landscape architecture or land surveying may be practiced

- 1. without compliance with the requirements of this chapter by:
- 2. 1. An officer or employee of the United States, prac-
- 3. ticing as such.
- 4. 2. An employee of a registrant or of a person exempt
- 5. from registration, if such employment does not involve direct
- 6. responsibility for design, inspection or supervision.
- 7. 3. A nonregistrant who designs a building or structure,
- 8. the cost of which does not exceed fifty thousand dollars, or
- 9. designs alterations to any one single story building, the
- 10. cost of which does not exceed fifteen thousand dollars, or
- 11. who designs a DETACHED single family dwelling or additions
- 12. or alterations of such dwelling.
- 13. 4. A nonregistrant who designs a water or wastewater
- 14. treatment plant, or extension, additions, modifications or
- 15. revisions, or extensions to water distribution or collection
- 16. systems, if the total cost of such construction does not ex-
- 17. ceed two thousand five hundred dollars.
- 18. 5. A nonregistrant who designs buildings or structures
- 19. to be erected on property owned or leased by him or by a per-
- 20. son, firm or corporation, including a utility, telephone, min-
- 21. ing or railroad company, which employs such nonregistrant on a
- 22. full-time basis, if the buildings or structures are intended
- 23. solely for the use of the owner or lessee of the property and
- 24. are not for sale to, rental to or use by the public.
- 25. 6. A NONREGISTRANT WHO DESIGNS THE LANDSCAPE OF ANY SINGLE
- 26. FAMILY DWELLING.

A MINORITY REPORT

TO: Arizona State Board of Technical Registration

Legislative Committee Present: Rod Gomez, Chairman
John Riggs
Hector Durand
Mark Edson, Executive Director

I concur with the recommended amendments to the code of the State Board of Technical Registration, with respect to the architects, geologists, qualifications of applicants (32-122), landscape architects, plus 32-102, 32-108, 32-126, 32-105, 32-110 and 32-128.

However, my non-concurrence is in the disparity of the amendments recommended by this Committee with reference to Section 32-101, Part B, Subparagraph 7, "Engineering Practice."

The Committee has recommended the revision of "Surveying" to read Engineering Surveying -- this is acceptable although the Board should consider the fact that this term is nowhere defined in the code.

This Minority Report would respectfully request the Board to carefully consider concurrence with the proposal of Arizona Professional Land Surveyors Association in their proposed amendment which would add the statement "the practice of engineering shall not include the practice of land surveying as defined in this section."

Also, the minority does not agree in deleting the last sentence of subparagraph 17 as proposed by A.P.L.S., which reads, "this paragraph shall not be construed to prohibit a registered engineer, architect or landscape architect from doing any work included in his respective practice if such work does not involve the establishment or reestablishment of property corners or property lines or the writing of land descriptions."

As a revision to the A.P.L.S. revision, I would suggest using engineering surveying in lieu of the term any work in the above statement.

It is further recommended that the grandfather amendment be retained as noted on the bill draft (third revision) submitted to the Board by A.P.L.S.

The recommendations and proposals of A.P.L.S. have been discussed and considered very thoroughly over many many months of time. Always the principle consideration has been the health and welfare of the public. As a member of the Board, my primary concern is the health and welfare of the public. Therefore, it is with this concern I am making the

MINORITY REPORT - cont'd
Page 2

the above recommendations realizing each is interlocked with the other to avoid ambiguity and further to implement by statute the exact delination of the land surveyor with relation to the other diciplines as defined by proposed new definitions.

Further, the Board respectfully must recognize that by setting definition down by statute, it would more likely eliminate arbitrary arguments or possible court action.

The surveyors have given due consideration to those qualified registrants that are now practicing land surveying, by allowing ample opportunity to apply and qualify as registered land surveyors. Here again, this consideration was made having the public welfare in mind.

Keep in mind fellow Board members, Division of Real Estate into smaller and smaller parcels is necessarily increasing the complexity of both the record and physical portions of title, thus making the resolution to the third portion of title being of vital concern to the public and to this Board. The third portion of title being agreement between adjoining property owners or the horizontal control thereof. A land surveyor by profession is prepared and qualified to extend and develop opinions about land surveys by virtue of knowledge and experience.

It is not the intent of the land surveyors to deter or deny a livelihood to any qualified person. These revisions to the code are offered in the public interest involving the following:

1. Provide a concise definition of a land surveyor and land surveying practice.
2. Promote higher levels of education toward achieving professional land surveyor status.
3. To disallow and eliminate the promiscuous attitude toward land surveying.
4. To provide the Board a clear cut amendment in order to have a more comprehensive code with respect to the public and to satisfy sunset review edicts.

thank you.

H. C. Durand

**DREW
NYKORCHUK
ASSOCIATES INC.**

Registered Professional
Engineer
Arizona
California
Colorado
Illinois
Iowa
Registered Land Surveyor
Utah

4817

CURTIS D. DREW, P.E., R.L.S.
President

DAVID J. NYKORCHUK, R.L.S.
Vice President

(602) 956-8712
2919 N. 36th St., Suite 71
Phoenix, Arizona 85018

December 17, 1980

Mr. Hector Durand
Member, Arizona Board of
Technical Registration
808 S. Catalina
Tucson, Arizona 85711

RE: Proposed Land Surveyor Legislation, 3rd Revised Draft

Dear Mr. Durand:

Thank you for your telephone conversation of December 12, informing me of the decisions of the legislative committee for the Board of Technical Registration. In light of the changes which may be proposed in the legislation, we believe it necessary to summarize the process by which the third revision of this draft legislation came into being.

The legislative affairs committee of the Arizona Professional Land Surveyors was charged with the responsibility of pursuing a legislative solution to the problem of allowing seemingly unqualified registrants to practice professional land surveying. In a subsequent report to the membership body the committee suggested two possible solutions which should be pursued. One dealt with the upgrading of the requirements for the applicants for professional registration as a land surveyor. The second addressed the fact that civil engineers were, with little or no prior experience in the retracement of government corners nor the law of evidence, performing boundary surveys as a routine matter.

The first goal was partially realized by the lobbying efforts of the association during the Sunset Review of the Technical Board of Registration in 1980, when the education and experience requirement was changed to six years. The remainder of that goal and the second listed above resulted in the draft legislation which is now in your hands.

By June of 1980 it became apparent that the best method of producing the necessary legislation was for APLS to prepare a draft of the intended changes and take that draft to various engineering associations in the state for review and comment. To this end we approached a state senator for advice. The senator routed us to Mr. Tom Finnerty who is a research analyst for the Commerce and Labor Committee of the Arizona Senate. We presented a thumbnail sketch of the changes we would like to see implemented and Mr. Finnerty prepared a draft copy of the legislation. We returned to our legislative affairs committee to review the draft copy and to address certain additional changes which the committee members felt were necessary to gain the support of other professional associations.

A first revision to the draft was presented to the governing body of each of the state engineering societies together with the architect society and other interested parties. It wasn't long before we started to realize feedback on areas of concern to the engineers. The initial response indicated that engineers could accept the fact that land surveying was a separate and distinct profession from engineering. The major concern of those in practice was the wording of the grandfather clause in the first revision which stipulated that all engineers must face certain testing requirements in order to continue their practice of land surveying.

A second revision was prepared which corrected minor technicalities and substantially altered the grandfather clause. This second revised draft was presented to the Board of Directors at the Arizona Consulting Engineers Association. It was also presented at an open meeting of the Phoenix Branch of ASCE and at a joint meeting in Flagstaff of NSPE and ASCE. In addition it was discussed at a County Engineers meeting in Casa Grande.

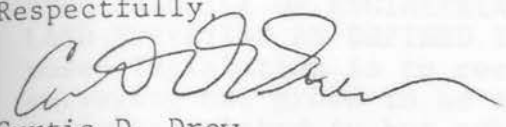
The APLS committee addressed each of the concerns voiced by the respective professional organizations and, wherever possible, incorporated their suggestions into the final revision. They then returned to Mr. Finnerty's office for additional guidance in preparing the final draft. Finnerty indicated that based upon his knowledge of passed senate action, the bill would have no chance for passage without completely striking the grandfather clause requirements of additional testing for civil engineers. Since the intent is to completely separate land surveying from the civil engineering profession, Finnerty expressed concern against any action which would prohibit a civil engineer from continuing to practice land surveying as allowed him under the existing legislation. He advised the committee to completely eliminate any testing or experience requirements from the grandfather clause.

DURAND LETTER, continued

Page 3

In heeding Finnerty's advice and the concerns voiced by the various professional associations, the third revision draft copy was prepared. Attached for your review is a summary of the salient points of the legislation and the reasoning which prompted the development of those points.

Respectfully,



Curtis D. Drew
Vice President, APLS

PROPOSED LEGISLATION OF ARIZONA PROFESSIONAL LAND SURVEYORS

1981 SESSION

Summary And Analysis

Section 32-101 B.7

The last sentence would read:

"THE PRACTICE OF ENGINEERING SHALL NOT INCLUDE THE PRACTICE OF LAND SURVEYING AS DEFINED IN THIS ACT." The intent of the proposed legislation is to recognize that the practice of land surveying has grown to be a separate and distinct professional activity related to but substantially different from the practice of civil engineering. Nationally and locally on an academic and on a practical level state legislatures, state colleges and the public at large have recognized the distinction between the training of a civil engineer and the training of a land surveyor. Anything less than a positive statement indicating the separation of the two practices could lead to an agency interpretation and subsequent litigation in the courts.

Section 32-101 B.15

Minor legislative housekeeping occurs in the subsequent paragraphs up through paragraph 14 referenced above, with the next major proposed change occurring in paragraph 15, Definition of Land Surveyor, which begins "by reason of his knowledge of the mathematical and physical science," and concludes "registration as a land surveyor".

This paragraph serves to define the land surveyor in the terms utilized in defining the other professional activities governed by the Technical Board of Registration such as architect and engineer. It should be noted that the utilization of this definition has, as a prerequisite, a definition of the term land surveying. Therefore, any change in the terms defining the practice of land surveying would include a subsequent change in the definition of who would be a land surveyor.

Section 32-101 B.16

Paragraph 16 defining Land Surveyor-In-Training would establish by legislative action a position which would be similar to those already established for the geologist, engineer, or architect-in-training.

Section 32-101 B.17

Paragraph 17 poses a new definition to the practice of land surveying. If one assumes that there is some profession or activity that requires, in the public interest, a test of proficiency administered by the state government which would establish one's ability to practice that profession, then it does not follow that a separate distinct and dissimilar profession has a right to engage in that profession without establishing irrefutable proof of an ability to engage therein.

During the past two or three decades the colleges of the nation have continually reduced the requirements related to law and surveying practices within their civil engineering curriculum and have instead replaced those classes with courses in more advanced engineering technology and the computer sciences. During the very period of our existence during which land values have tripled and quadrupled in magnitude and boundary litigation has become more prevalent, many civil engineering colleges reduced the land survey requirements and focused on engineering subjects. Other universities have begun four year and six year curriculums in photogrametric and cadasteral surveying.

Historically the professional civil engineer was capable of performing all design services for the community. The very term civil engineer was derived from that of "military engineer". It served to identify someone of the engineering profession who was employed in the civil practice as opposed to being employed by the government. At that period of time there were no specialty branches of engineering. A large portion of his expertise was in the measurement and determination of land boundaries. By utilizing the physical sciences and the law of evidence he would retrace the footsteps of that predecessor who had first established those boundaries. The original military engineers and civil engineers were capable of performing the design of aquaducts, waterways, harbors, bridges, roadways, and of preparing the land use plan for military and civilian encampments.

Unlike his ancestors, most of today's civil engineers find themselves practicing highly sophisticated and specific areas of technology related to engineering problems. Some are general practioners who are able to cure the everyday engineering problems of society and may rely on the sophisticated and specialized counterpart to solve the problems unique to a particular project. If one would review the academic training and practical experience of the recently registered general practioner with respect to the retracement of land boundaries and preparation of legal descriptions, one may find him substantially defficient.

This fact of itself would not be detrimental to the public at large, except that this untrained inexperienced individual is neither exposed to the harm that he may produce upon the citizenry, nor is he tested by the state with respect to his ability to offer such services to the public. The purpose of paragraph 17 of the proposed legislation is to positively identify the fact that the engineer is neither trained nor is he tested in the expertise required of a land surveyor, and therefore should be specifically excluded from practicing the retracement of property boundaries and the writing of legal descriptions.

It should be noted that without such specific exclusion, the untrained and inexperienced civil engineer could claim that per A.R.S. 32-143 the subdivision plat is incidental to the engineering drawings accompanying the plat. Such a lack of positive identification of the two distinct and separate practices could lead to litigation involving the chicken-or-the-egg theory.

The surveyor could claim that without the required subdivision map the engineering drawings would have no merit and no benefit to the public at large. The engineer could claim that due to the higher fees demanded by the preparation of the engineering drawings and the lower fees required for the boundary mapping portion of the work, the surveying was incidental to the engineering of the project.

Once again it is the intent of the APLS legislation to specifically exclude the civil engineer who is untrained and unproven from practicing the profession of land surveying.

Section 32-122 A & B

In Section 32-122 the land surveyor has been removed from paragraph B and inserted into paragraph A. This change would require that the land surveyor have education and experience requirements equivalent to that of the landscape architect, geologist, engineer, or architect. The intent of this change is to provide for a higher quality of applicant.

Section 3

Section 3 of the proposed legislation is a legal requirement.

Under the advice of Mr. Finnerty of Senate Research the APLS committee redrafted the final section to the proposed legislation. This third revision allows any person who is a registrant at the time of the effective date of the legislation, and who also has practiced land surveying as defined therein, to make application to the State Board of Technical Registration and become registered

REPORT OF THE
COMMISSION ON PROFESSIONAL REGISTRATION

CHAPTER IV - LAND SURVEYORS

as a land surveyor. The committee was advised that without doing so the senate would look at the bill as a possible source of litigation because the bill would deprive an individual of his source of income. The APLS committee had received direction from the membership body to require all engineers to pass certain portions of the land surveyor examination in order to prove proficiency. While the committee felt that this was a desirable requirement in the legislation they recognized the importance of the comments by Finnerty and adjusted the proposed legislation accordingly.

F. Mark Egan, Executive Director
Patricia C. Wood, Administrative Secretary

Charles E. O'Sullivan
William C. Smith
Patricia J. Finley
W. J. Smith
William J. Smith
John E. Smith

Lucy K. Curtis, Asst. Attorney General

II. INFORMATION CONTAINED

Review memorandum of October 29, 1942, from J. Mark Egan to Board Members
and Advisory Commission regarding proposed legislation, Board of State Board of Surveyors

Mr. Egan discussed in detail with members of the Information Committee the proposed procedure for handling complaints. Mr. Egan suggested the need to encourage applicants complainants with the appropriate view to the possibility that the person does not initiate a complaint. This board committee to approve and initiate the complaint procedure. Mr. Egan argued the importance of maintaining the right to privacy and that the board should conduct an election by ballot. Mr. Egan suggested this form of complaint be further structured and distributed and reviewed periodically. It was Mr. Egan's opinion that the Board to which the complaint is received needs further work, and that this might be achieved if the board might want to incorporate in the future.

Regarding staff action, Chairman Egan suggested expert staff should be retained in the future as Advisory Committee. Chairman Egan also suggested there be an Advisory Committee for each discipline consisting of five members each, appointed by the members of the Board registered in the appointing discipline and nominated by the professional societies. It was Mr. Egan's suggestion that the Advisory Committee replacing the Expert Panel should be included in the last and Rules of the Board.

It was the Chairman's suggestion that a complaint should also refer to the full Information Committee and the Information Committee should assign the matter to the Advisory Committee at its review.

MINUTES OF MEETING

4824

PHOENIX ENFORCEMENT COMMITTEE

Arizona State Board of Technical Registration

A meeting of the Board's Phoenix Enforcement Committee was held at 1:00 p.m., December 18, 1980, at the office of the Board, 1645 W. Jefferson, Phoenix, Arizona.

1. Present:

Members: Wayne O. Earley
Jimie R. Nunn
Hector C. Durand

F. Mark Edson, Executive Director
Patricia C. Wood, Administrative Secretary

Absent:

Charles E. O'Bannon
Silas C. Brown
Patricia J. Finley
Rod J. Gomez
William S. Gookin
John B. Riggs

Evelyn R. Epstein, Asst. Attorney General

2. ENFORCEMENT PROCEDURE:

Review memorandum of October 29, 1980, from F. Mark Edson to Board Members with attached ENFORCEMENT PROCEDURE outlined. Shown on Minute Book Pages 4830- through 4832

Mr. Edson discussed in detail with members of the Enforcement Committee the Proposed Procedure for Handling Complaints. Mr. Nunn discussed the need to encourage anonymous complaints with the assurance given to any complainant that the person does not initiate a complaint, this Board procedure to approve and initiate the complaint process. Mr. Durand brought out the importance of considering the right to privacy, and that the Board should predicate an accuser by name. Mr. Earley suggested this form of complaint be further structured and discussed and reviewed periodically. It was Mr. Earley's opinion that the form in which the complaint is received needs further work, and that this might be something the Board might want to incorporate in the Rules.

Regarding Staff action: Chairman Earley suggested expert panel should be referred to in the future as Advisory Committee. Chairman Earley also suggested there be an Advisory Committee for each discipline consisting of five members each, appointed by the member(s) of the Board registered in the appointing discipline and nominated by the professional societies. It was Mr. Durand's suggestion that the Advisory Committee replacing the Expert Panel should be included in By-laws and Rules of the Board.

It was the Chairman's suggestion that a complaint should come before the full Enforcement Committee and the Enforcement Committee should assign the matter to the Advisory Committee as required.

It was Mr. Edson's suggestion that a technical complaint should be referred to the Advisory Committee at the outset and the subcommittee should review the work of the staff and make recommendations to the Enforcement Committee as a whole. If it is a nontechnical matter, then it should go to the Enforcement Committee as a whole with all staff findings.

It was suggested by Mr. Nunn that an additional item be added to number 6 in the outline (Item B.) "Give respondent 30 days notice in advance and conduct a formal hearing."

It was the Enforcement Committee's recommendation that under Item 6, a follow-up letter to the Attorney General be sent at least once a month requesting any notification of action that might be necessary by the Attorney General's office. Mr. Nunn indicated this would be a worthwhile procedure, and the information should be sent to the complaining parties.

Mr. Edson expressed his feeling that the Report Sheet is being tested and updated with further experience in the process. Mr. Nunn indicated there was a sample sheet in the information on this process which has been distributed by Mr. Edson, prepared by the California Board.

MOTION: It was moved by Mr. Durand and seconded by Mr. Nunn that the Board adopt the Proposed Procedure for Handling Complaints as amended and that this procedure be sent to the Rules and By-laws Committee. Motion carried.

It was recommended by Mr. Nunn that the members of the Advisory Committee be provided with a formal certificate which would entitle them to immunity from the complaint. The service on this Committee should be voluntary. Mr. Edson suggested the members of the Advisory Committee be paid a consultant fee in the amount of \$10 for a once-a-year luncheon meeting and no other expense items be allowed, to preserve volunteer status.

3. OLD BUSINESS

- A. C79-021 - TRB vs. Willdan. Summary shown on Minute Book
Page 04833.

Recommendation: It was the recommendation of the Committee that since two of the three members present at today's meeting were not present at the September 26th informal hearing, this matter be referred back to the Board for consideration without recommendation.

Minuted (cont'd)
Phoenix Enforcement Committee Meeting

B. Compliance certificates have been received in the following cases:

79-0030 - BTR vs. Diversified Drafting Service

- 1) Clay A. Chiappini - non-req. 11/6/80
- 2) David M. Niese - GE #8081 - 10/30/80

79-0076 - BTR vs. Concept 2000, Inc.

- 1) Herman J. Fraunhoffer - non-req. 10/9/80

79-0104 - BTR vs. Davis Assoc.

- 1) Richard A. Davis, Arch. #8512 - 10/21/80

79-0107 - BTR vs. Irwin G. Pasternak, AIA

- 1) Irwin G. Pasternak, Arch. #10087 - 10/27/80

80-0020 - BTR vs. Horkey & Assoc.

- 1) Edward J. Horkey, non-req. - 11/7/80

80-0022 - BTR vs. Christopher L. Standage

- 1) Christopher L. Standage, non-req. - 10/13/80

80-0023 - BTR vs. Sierra Blanca Builders

- 1) Chris H. Bell, non-req. - 10/13/80

80-0028 - BTR vs. Town of Duncan

- 1) William Lackey, Mayor, non-req. - 10/14/80

80-0044 - BTR vs. Robert L. Lake

- 1) Robert L. Lake, non-req. - 10/23/80

MOTION: It was moved by Mr. Nunn and seconded by Mr. Durand that receipt of certificates of compliance enumerated above fully complies with requirements of the Board, that they be accepted, and that the files be closed

4. NEW BUSINESS

A. The matters were considered at the December meeting of the Arizona Society, American Institute of Architects' recommended panel of experts. The succeeding two cases were considered and are referred to the Enforcement Committee for consideration.

- (1) 80-0032 - TRB vs. Brian Spencer. Summary shown on Minute Book pages 04836.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Durand this case be referred to the Architectural Subcommittee A for recommendation to the Board for final action. Motion carried.

- (2) 80-0043 - TRB vs. Calvin H. Vanness. Summary shown on Minute Book pages 04838.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Druand that this case be referred to the Architectural Subcommittee A for recommendation to the Board for final action. Motion carried.

B. 80-0021 - TRB vs. Leonary Gostinski. Summary shown on Minute Book pages 04839.

The Committee review the file on this case and also the drawings in question.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Durand that preliminary investigation reveals Mr. Gostinski may be in violation of ARS 32-125C and 32-125D, and that Mr. Gostinski be requested to appear before the Enforcement Committee as its next meeting for a personal presnetation of his case. Motion carried.

C. 80-0045 - TRB vs. Edward S. Glenn. Summaary shown on Minute Book pages 04840.

The file and its contents were reviewed by the Enforcement Committee members. After discussion, it was revealed that Mr. Glenn was forwarded a copy of the complaint, and no comment had been received from Mr. Glenn on the complaint.

MOTION: It was moved by Mr. Durand and seconded by Mr. Nunn that the matter be referred to the Enforcement Committee at its next meeting for informal hearing and for a recommendation to the Board. Motion carried.

Minutes (cont'd)
Phoenix Enforcement Committee Meeting

4. D. 80-0018 - TRB vs. James H. Wamelen. Summary shown on Minute Book Page 04841.

The file was reviewed by the Committee in considerable detail. Mr. Edson indicated this case had been referred to Howard Sauter for investigation. The results of Mr. Sauter's investigation were discussed by the Committee.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Durand that this case be referred to the Enforcement Committee at its next meeting for informal hearing with the request that Mr. Wamelen appear. Motion carried.

- E. 80-0024 - TRB vs. Gene R. Fontes.

The file on this complaint was reviewed by the Committee. After considerable discussion, it was the opinion of the Committee that Mr. Fontes had continued his practice of Civil Engineering without payment of renewal fees, in violation of ARS 32-127.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Durand that a letter of censure be sent Mr. Fontes along with a Certificate of Compliance with the request that Mr. Fontes sign the Certificate of Compliance and return to the Board offices.

5. COMMUNICATIONS

- A. The following communications were received:

- 1) Memo- October 15, 1980, from Evelyn Epstein, Asst. Attorney General, regarding insurance coverage and transmitting an opinion No. 77-236. Shown on Minute Book Page 04842.
- 2) Memo - November 13, 1980 from B. A. Nygaard, Risk Management Services, responding to the Board's inquiry with a memo to all agencies. Shown on Minute Book Page 04847.

It was the recommendation of the Committee that Mr. Nygaard be sent seven names for each discipline with member(s) of the Board from each discipline nominating five of those members to serve and this information be furnished Mr. Nygaard before December 31, 1980. The term of the Advisory Committee to run from 1/31 to 12/31 of each year.

Minutes (cont'd)
Phoenix Enforcement Committee Meeting

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- 5.. B. Letter - October 22, 1980, from Bruce L. Dusenberry, Attorney for Harrell Consulting, asking advise for a client on a proposed consulting business. As shown on Minute Book Page 04849.

MOTION: It was moved by Mr. Nunn and seconded by Mr. Durand that the Executive Director be directed to contact Mr. Dusenberry of Davis & Eppstein, P.C. and communicate to him that Mr. Harrel in setting up his consulting service be certain to identify his services as an agent of an owner and in no way infringe upon the services of professional registrants. Motion carried

- 6 MOTION: It was moved by Mr. Nunn and seconded by Mr. Durand that the meeting be adjourned.

ADJOURNMENT: 4:10 p.m.

12/22/80/pw



State of Arizona
BOARD OF TECHNICAL REGISTRATION

JIM
44830

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

MEMORANDUM TO: Board Members

FROM: F. Mark Edson *F. Mark Edson*

DATE: October 29, 1980

Enclosed for each of you is a copy of the proposed procedure for handling complaints.

The document is self-explanatory, any comments or suggestions you might have in this regard would be most appreciated. We are most hopeful that this will assist in the development of a smooth running enforcement program, taking the least amount of time from the Board Members as is necessary.

Should you have any questions, please do not hesitate to contact us. We look forward to your responses.

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Enclosures

cc: Evelyn Epstein, Asst. Attorney General

PROPOSED PROCEDURE FOR HANDLING COMPLAINTS

1. Complaint is received by sworn complaint and affidavit, letter, telephone call with written followup, anonymous or identified communications. All complaints are confidential in nature.
2. Preinvestigation: 4831
 - A. Advise party of complaint and request their response.
 - B. Other necessary field investigation to fill in gaps:
 1. Staff makes administrative decision to proceed to next step, refer to other agency for lack of jurisdiction, or terminate where no basis is apparent.
3.
 - A. Technical matter - refer to Advisory Committee commissioned by the Board with Board members as liaison, or
 - B. On nontechnical matters - staff verify evidence by field investigation, where appropriate and prepare investigative reports with evidence attached.
 - C. Prepares agenda for next Committee meeting.
 - D. Informs parties of progress.
4. Complaint referred to Enforcement Committee of the whole. (Note - Board should determine if subcommittee (Tucson/Phoenix) would expedite matter and if additional member time commitments are justified).
 - A. Committee reviews the file and:
 1. Hears parties in informal hearing; or
 2. Refer matter of informal hearing to future meeting; or
 3. Refer matter for further investigation by staff; or
 4. Delineate findings and make recommendations to the Board.
 - B. Staff informs parties of progress
5. Board receives Committee Recommendation (Note: whenever possible - Committee of the whole agenda should be limited to permit a special meeting of the Board to be called by the Chairman following a Committee of the whole meeting.)
 - A. The Board acts on Committee recommendations:
 1. Close the file; or
 2. Initiate Certificate of Compliance or Consent Agreement; or
 3. Initiate injunctive and/or misdemeanor action; or
 4. Refer back to Committee.
 - B. Staff informs parties of progress and/or initiates Board actions
6. Board receives Consent Agreement and/or Certificate of Compliance for approval and signature.
 - A. Lacking acceptance of above document by Respondent, the Board initiates further proceedings:
 1. Formal Hearing; or
 2. Injunctive and/or misdemeanor actions
 - B. Formal hearing - Set dates, provides parties with 30-day notice of hearing, hear testimony and act.
 - C. Follow-up letter monthly to Attorney General regarding pending actions of other agencies; i.e., Attorney General, Superior Court, County or City Attorneys, etc., copy to parties.
7. Staff closes file after Board Action.
 - A. Send letter to complaining party (if applicable) and Respondent.
 1. Both letters should advise parties of the disposition of the matter and what Board action was taken.
 - B. Report to the Board to show action was carried out and the matter was closed.
 - C. Mark all logs.
 - D. Take the Report Sheet from the case file and put it in the Registrant's file (where applicable).
 - E. File nonregistrant reports in alpha history file
 - F. Maintain computer file (disciplinary code).

CLOSING PROCEDURE

This procedure should apply to all complaints when they are ready to be closed.

1. Letter to complaining party (if applicable)
2. Letter to Respondent
 - A. Both letters advise parties of the disposition of the matter, and what Board action was taken.
3. A report to the Board to show their action was carried out and the matter was closed.
4. Mark log and 3x5 card (pull 3x5 and file in back of active cards)
5. Applicable minutes should go into file.
6. Take the summary sheet that should now be complete and file in the registrants file (where applicalbe).
7. Everything should be fastened in the file.
8. If there is a signed Certificate of Compliance, copy it and put it in folder marked "Certificates of Compliance for Board approval".
9. Mark tag on file in red "closed" and store away.
10. File any registration files that may be in the complaint file.

REPORT SHEET:

Before this sheet is deemed completed and ready for filing with the registrant file (where applicalbe) it should contain the following:

1. Complaint number and name (with registration number where applicable)
2. Names of complaining party (with registration number where applicable)
3. Project or job-in question (including the determination that is to be made)
4. File content listed
5. Summary of complaint and investigation
6. Summary of expert panel findings and recommendations (where applicable)
7. Summary of Enforcement Committee findings and recommendations
8. Board action
9. Closing section that gives the details of how the Board action was carried out, i.e., letters to the parties, etc.
10. Date matter is deemed closed.

SUMMARY

4833

Complaint - 0021-79 - BTR vs. Willdan Associates
Complaint filed by Jim Page, Jim Page Construction Company

Job in question, subdivision City of Scottsdale, entitled Hacienda Del Rey

A. File Content

1. Letter dated October 3, 1979 from Jim Page (complaint)
2. Sworn complaint dated October 3, 1979, signed by Jim Page
3. Letter dated October 22 from Dale C. Carter, Senior Vice-President, Willdan Associates (response)
4. Letter dated October 5, 1979 to Willdan Associates from Mark Edson
5. Letter dated November 26, 1979 to James Page from Mark Edson
6. Letter dated December 3, 1979 from Jim Page to Mark Edson
7. Investigative report submitted by Howard C. Sauter, dated March 12, 1980

A. Exhibits to Mr. Sauter's report

1. Answer and counterclaim, civil action #C-395137 filed in Maricopa County, Superior Court
2. Deposition of Steve Caylor, dated January 17, 1980
8. Letter dated July 30, 1980 to Board of Technical Registration from Cynthia Viera, Willdan Associates
9. Letter dated July 24, 1980 to Jim Page from Mark Edson
10. Letter dated July 24, 1980 to Willdan Associates from Mark Edson
11. Letter dated September 12, 1980 to Dale Carter from Mark Edson
12. Letter dated September 12, 1980 to Jim Page from Mark Edson
13. Letter dated September 23, 1980 to Richard Pearce from Mark Edson

B. Basis of complaint

Mr. Jim Page is claiming his engineers in the above named project, Willdan Associates, did unprofessional and inadequate work causing him extra expense and delay.

C. - Advisory Committee Report

1. Engineering Expert Panel - Subdivision meeting September 23, 1980

A. Documents presented to the Panel

1. Complaint letter of Jim Page dated October 3, 1979
2. Willdan's response letter dated October 22, 1979
3. Letter from Jim Page dated December 3, 1979
4. Howard Sauter's investigative report dated March 12, 1980
5. Deposition of Steve Caylor dated January 17, 1980

B. Findings and conclusions of the Advisory Committee

1. The issue involves the dirt work on a subdivision in the City of Scottsdale known as Hacienda Del Rey
2. Willdan Associates were hired to do the engineering work on this subdivision
3. An early developer of the project had hired Richard Pearce to do the engineering work, eventually Willdan Associates bought out Mr. Pearce
4. Jim Page stepped into the shoes of the prior developer. Page agreed to pay Willdan Associates for the engineering plans and Willdan agreed to provide the engineering plans. The contract sum was \$8,000, in the end Page paid \$22,000
5. The following errors on the project happened
 1. Roads wouldn't close
 2. Fire hydrants mislocated, which ended up in various spots
 3. The hub used for the survey may have been in error, thus all subdivision streets were built too low
 4. A lot was set out 6" too narrow
 5. Willdan Associates have never done their as built survey and submitted final plans.
 6. Water lines may have been improperly located
 7. Sewer lines may have been improperly located
 8. Manholes may have been improperly located
 9. Concrete aprons may have been designed and poured and did not line up

10. Meter boxes may have been improperly located
 11. Electrical boxes and transformers may have been improperly located
 6. The mistakes do not seem to be out of the ordinary for this type of work
 7. It appears that the errors were not faced and dealt with
 8. The relevant question before the Panel is, what standard of professional practice should the parties meet
 9. Engineers are not inspectors, and inspections seem to be a major problem in this project
 10. Contractor, the owner, and the government all have some degree of responsibility in calling problems to the attention of the proper person when they arise
 11. With the evidence before the Committee, they felt that Willdan Associates had done nothing grossly in error, but the errors presented to them had not been dealt with.
- C. Recommendation of the Advisory Committee to the Board
1. The parties involved, in particular, Richard Pearce, Dale Carter, Jim Page and Tim Young should all be brought in and questioned by the Board.
 2. A question of why errors on the job were not explored and corrected by Willdan Associated should be raised
 3. If no further evidence is discovered in these conversations, the action of the Board should be conservative, as the engineering firms errors are not of a gross nature
- D. ENFORCEMENT COMMITTEE REPORT
1. Phoenix Enforcement Committee meeting, September 26, 1980
 - A. The Board listened to statements and had questions answered by Richard Pearce, Jim Page, Dale Carter.

In Mr. Carter's statement he mentioned two sets of drawings on the Hacienda Del Rey project.
 - B. The Committee directed the Administrator to obtain both sets of drawings for further Enforcement Committee review.

SUMMARY SHEET

1. Complaint:

Kenneth R. Johnson filed a complaint against Spencer on August 22, 1980, charging him with gross negligence and incompetence in the design of a residence for him located in Fountain Hills.

Spencer is a registered architect in Wisconsin, an Arizona applicant held for the June Prof A - Design Exam, passed same, and was removed from the September 5th grant list pending resolution of this complaint.

The basis for the complaint, stated in Johnson's letter, is that Spencer, after signing an agreement on February 20th, was to have completed working drawings by the 1st of June, so that Johnson, who is a public school teacher, could begin construction in the summer. By August 10th, the drawings were still not complete and Spencer failed to keep an appointment on that day and Johnson says "Mr. Spencer never arrived and has not been heard from since." Johnson indicated that Spencer was difficult to reach, and of 10 appointments during the preceding months Spencer kept only six of the dates, and didn't show at all on three of the dates. This difficulty and lack of performance led to his charge of gross negligence.

The "incompetence" charge is based on Spencer's proposed passive solar features for the house, particularly a "trombe" wall.

2. File Content:

Letter - Johnson to Edson, August 22, 1980, detailing complaint - submitted with five different sets of drawings in varying stages of completion, a copy of the Agreement between owner and architect (AIA B-151 W/Amendments).

Letter - Spencer to Edson, October 1, 1980, asking for completion of registration since residence was exempt by statute with copy of letter, Spencer to Johnson, October 1, 1980 acknowledging Johnson's termination of contract.

Letter - Edson to Spencer, October 27, 1980, acknowledging receipt of October 1st letter.

Letter - Johnson to Edson, October 21, 1980, commenting on October 1st letter he received from Spencer.

Letter - Edson to Spencer, November 7, 1980 addressing telephone call from Spencer again requesting processing of his registration.

Letter - Robert Kelso of law firm Lewis and Roca, October 29, 1980 to Board, hoping and trusting Board will conclude Mr. Spencer's registration "promptly and expeditiously."

REPORT

64838

Complaint: 00043-80 BTR VS. CALVIN H. VANNESS (Arch. #3008)
Complaint filed by the City of Phoenix

Job in Question: Architectural drawings for building at 20th
Street and Thomas.

A. BASIS OF COMPLAINT

Do the drawings and specifications sealed by Calvin Vanness for
the building at 20th Street and Thomas meet professional standards.

B. FILE CONTENT

1. Design specifications
2. One (1) set of drawings
3. Memo to file on previous complaint

1. Complaint:

An anonymous letter of August 21, 1980 indicating a possible violation of the Statutes (aiding and abetting) in the design of a mobile home park.

2. File Content:

Letter - Anonymous to Edson, August 21, 1980, specifying complaint with copy of drawing.

Letter - Edson to Gostinski, October 10, 1980, informing him of complaint.

Letter - Gostinski to Edson, November 7, 1980, answering complaint allegations.

3. Review:

Gostinski indicates clients were friends, that job was low budget, that his friend was qualified draftsman, that he supervised and reviewed all work, that "there were some disapprovals, but they were corrected, resubmitted, and approved by governing agencies."

1. Complaint:

Complaint was filed by Mitchell Liswith against Edward S. Glenn, Structural Engineer #10041, alleging misrepresentation of services concerning a residential inspection report (structural and electrical) for a house Liswith intended to buy.

2. File Content:

Letter - Liswith to Edson, October 2, 1980, forward sworn complaint and a copy of Glenn's inspection report and bill for services.

Letter - Edson to Liswith, October 10, 1980, acknowledging receipt of complaint.

Letter - Edson to Glenn, October 27, 1980, with copy of complaint, asking for comment.

Letter - Edson to Liswith, October 27, 1980, asking for clarification of agreement with Glenn.

Letter - Glenn to Edson, October 29, 1980, outlining history of case and attempts to collect fee.

Letter - Liswith to Edson, December 15, 1980, responding to October 27th request for further information.

3. Review:

Inspection report makes little reference to structural and electrical characteristics of the house as Liswith expected when he asked for the survey.

1. Complaint:

Executive Director received a telephone call from Lawrence MacDonald, AIA, an architect with HEW in San Francisco, concerning a review they were doing of drawings prepared by Mr. Wamelen for a health care facility in Tombstone, Arizona, checking Mr. Wamelen's registration status on July 15, 1980.

2. File Content:

Letter - Edson to MacDonald, July 16, 1980, asking for further information.

- MacDonald to Edson, forwarded copies of title blocks from drawings.

Report of Investigation, Howard Sauter, October 27, 1980, with copies of preliminary concept drawing of the Tombstone health care facility.

3. Review:

Wamelen is a member of the Board of Tombstone Community Health Services, a non-profit corporation, who applied for a federal grant for the health care facility. Wamelen donated his services, is a non-registrant merchant in the gems and mineral business and also serves part-time as the Tombstone City Engineer for \$200.00 per month.

Testimony indicated that if money became available through their grant application, an architect would be commissioned. Wamelen donated drafting skills to get the application moving.

Office Of Attorney General

04812

INTER-OFFICE MEMO

Date October 15, 1980

Jim Walters,
Administrative Assistant
Board of Technical Registration

Evelyn R. Epstein *ERE*

Insurance coverage

SUBJECT:

Attached is a copy of Attorney General's Opinion No. 77-236 (R77-276) concerning insurance coverage for persons who perform voluntary services for the State of Arizona.

It might be advisable for the Board to write Mr. Ben Nygaard, head of the Risk Management Division, outlining the activities engaged in by the various "volunteers" who offer services to the Board, and inquiring whether they would be covered.

Evelyn R. Epstein
Assistant Attorney General

ERE:em

Encl.



DEPARTMENT OF LAW
OFFICE OF THE

Attorney General

STATE CAPITOL
Phoenix, Arizona 85007

*Rich
Lerner*
04843

BRUCE E. BABBITT
ATTORNEY GENERAL

December 15, 1977

Department of Economic Security
Administrative Services Division
1717 West Jefferson
Phoenix, Arizona 85007

Re: 77- 236 (R77-276)

Gentlemen:

This is in response to Mr. Plummer's request for an opinion based upon the following facts:

Mr. Bob Kohn, who is not a state employee, is providing volunteer services as a pilot for the purpose of flying various DES staff personnel throughout the State. DES directly rents the aircraft from an aviation vendor. This volunteer service is performed at no cost to the State. Mr. Kohn carries \$500,000 of liability insurance and the various aviation vendors who provide the aircraft carry a maximum of \$100,000 personal passenger injury liability at \$500,000 per occurrence. In addition, the aviation vendors provide property damage liability insurance of \$500,000 per occurrence.

Mr. Plummer asked whether under the above conditions and circumstances the Department may utilize Mr. Kohn's volunteer services as a pilot for various DES staff personnel.

The Attorney General has concluded in the past that there is no legal prohibition against the use of volunteers by State agencies. Atty.Gen.Op. Nos. 63-30, 75-83 and 75-208 are attached for your convenience. Since the passage of A.R.S. § 41-621, et seq., and the recent 1977 amendments thereto, the State of Arizona may become self-insured when self-insurance is deemed by the Department of Administration necessary and in the best interests of the State. With the exception of general liability of the State universities and limited special events policies, the State, at the present time is self-insured to an unlimited amount, with purchased excess insurance coverage above one million dollars on many liabilities.

In the past, purchased liability insurance probably would not have provided liability coverage for persons who donated services to the State of Arizona: See Atty.Gen.Op. Nos. 75-83, 75-208. However, it is the opinion of this Office that, since the inception of the State's self-insurance program, authorized volunteers who are acting within the course and scope of their authorization are covered under the State's self-insurance program.

A.R.S. § 41-621.A(3) as originally enacted in 1973 provided coverage for:

3. The state and its departments, agencies, boards and commissions and all officers, agents and employees thereof, against liability for acts or omissions of any nature while employed in governmental or proprietary capacities.

The above coverage included not only officers and employees but also agents. This Office concluded in Atty.Gen.Op. No. 63-30 that the definition of "agent" would encompass a person acting as a volunteer on behalf of the State.

A.R.S. § 41-621.A(3) was amended in 1977 by the Legislature. It is apparent that the legislative intent in the amendment was to make clear that an authorized volunteer who was acting in the course and scope of this authorization was to be covered under the self-insurance program.

3. The state and its departments, agencies, boards and commissions and all officers, agents and employees thereof, against liability for acts or omissions of any nature while acting in authorized governmental or proprietary capacities and in the course and scope of employment or authorization except as set forth in this chapter. [Emphasis added.]

The substitution of "acting" for "employed", and the limitation on coverage to the scope of employment or authorization, indicates a legislative intent to define coverage by the nature of the activity rather than by the nature of the individual's ties to the State.

Under the circumstances that you have set forth wherein a volunteer is performing a service of a high degree of risk and damage exposure, it is advisable that the volunteer have personal liability insurance coverage for the services he or she is to carry out on behalf of the State. This is advisable due to the intricacies of various fact situations that can affect coverage. It is impossible to set forth or foresee particular situations where coverage may be denied. Ultimately only a court can determine the coverage questions that can arise as to whether a volunteer is within the scope and course of authorization, or is an

Mr. Max Sullivan
December 15, 1977
Page Three

14815

independent contractor as opposed to an agent. Further, a volunteer is not covered as an employee of the State of Arizona under the Workmen's Compensation Program. For these reasons and the further protection of the State's fledgling self-insurance program, the present insurance policies described in your example should be continued.

With regard to insurance for damage to the aircraft itself, the State self-insurance program provides coverage only for State-owned property, and does not provide coverage for rental or leased property losses. A.R.S. § 41-621(B). Therefore, for full protection against a loss of the aircraft, independent insurance must be purchased. A.R.S. § 41-621(A)(4).

Sincerely,



BRUCE E. BABBITT
Attorney General

BEB:RT:cp

Enclosures

Sincerely,

BRUCE E. BABBITT
Attorney General



BRUCE E. BABBITT
Attorney General



OFFICE OF THE
Attorney General
STATE CAPITOL
Phoenix, Arizona 85007

R75-415
04846

BRUCE E. BABBITT
ATTORNEY GENERAL

75-208

July 24, 1975

Mr. John H. Jett, Director
Department of Mineral Resources
Mineral Building
Fairgrounds
Phoenix, Arizona 85007

Dear Mr. Jett:

This is in response to your letter of June 17, 1975,
regarding the use of volunteer help.

This office has concluded in the past that there is
no legal prohibition against the use of volunteers by
state agencies. I have enclosed a copy of Attorney
General Opinion No. 63-30 outlining some problems that
you should be aware of in using volunteers.

You should also be aware that it is questionable at
this time whether volunteers are covered under the
state insurance policy, and because of this we advise
that any volunteers be informed that there is no
coverage for them. We would also recommend that all
volunteers sign a written acknowledgment that their
work is being done on a voluntary basis, free of any
charge to the State of Arizona.

If you have any further questions, please feel free
to contact me.

Sincerely,

BRUCE E. BABBITT
Attorney General

Bob McDougall

RODERICK G. McDOUGALL
Chief Counsel
Civil Division

RGM:lc
Enclosure



DEPARTMENT OF ADMINISTRATION
RISK MANAGEMENT SERVICES

04847 STATE OF ARIZONA

1688 W. ADAMS, RM 221
PHOENIX, ARIZONA 85007
(602) 255-3522

BRUCE BABBITT, GOVERNOR
ROBERT C. DICKESON, DIRECTOR
BERNARD A. NYGAARD,
ASSISTANT DIRECTOR

November 13, 1980

TO: ALL DEPARTMENTS, AGENCIES, BOARDS AND COMMISSIONS

FROM: B. A. NYGAARD, ASSISTANT DIRECTOR *B.A. Nygaard*
RISK MANAGEMENT SERVICES

SUBJECT: AUTHORIZED VOLUNTEERS

In 1977 the legislature amended A.R.S. § 41-621.A(3) to make clear that an authorized volunteer who was acting in the course and scope of his or her authorization was to be covered under the State's Risk Management program against liability for acts or omissions of any nature, except that felonious acts, as well as punitive damages are excluded.

Risk Management Services is currently developing specifications required to bid the State's excess liability insurance program which provides excess coverage for authorized volunteers. Therefore, each department, agency, board and commission is required to submit to Risk Management Services their most current individual listing of all volunteers that have been authorized by the department, agency board or commission to act in a governmental or proprietary capacity.

Your listing of authorized volunteers should indicate: (1) Name of volunteer; (2) in what capacity the volunteer serves; (3) authorized time period of services; (4) volunteer program name, (if any); (5) title of person authorizing volunteer status; and (6) whether authorization was written or verbal. Attached is a suggested format that may be used to submit the names of the volunteers.

The volunteer listing is due in Risk Management Services on or before December 31, 1980, and is to be approved by the agency head or his designee prior to submission.

Please contact Bill O'Brien at 255-3530, Risk Management Services, if you have any questions regarding this request.

APPROVED: *Robert C. Dickeson*

Dr. Robert C. Dickeson, Director
Department of Administration

RISK MANAGEMENT SERVICES
DEPARTMENT OF ADMINISTRATION

04848

ANNUAL REPORT OF AUTHORIZED VOLUNTEERS

<u>Name of Volunteer</u>	<u>Type of Service</u>	<u>Time Period of Authorization</u>	<u>Program Name</u>	<u>Person/Title Making Author.</u>	<u>Written or Verbal Author.</u>
1	2	3	4	5	6

1. Self-Explanatory
2. Use descriptive classification, i.e., typist, nurse, etc.
3. Indicate beginning and ending date if possible.
4. If applicable: i.e., 4-H, candy striper, etc.
5. Name of individual authorizing volunteer status.
6. Whether written or verbal authorization granted.

Approved: _____
Agency Head

[Faint signature and text]



State of Arizona
BOARD OF TECHNICAL REGISTRATION

04849

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

October 16, 1980

Bruce L. Dusenberry
Davis & Eppstein, P.C.
120 West Broadway
Box 48
Tucson, Arizona 85701

Dear Mr. Dusenberry:

This will acknowledge receipt of your letter dated October 7, 1980.

Could you or your client please expound on the statement "..... the limited purpose of assisting them in meeting public utility requirements in connection with public utility improvements on their development projects." We need to know in detail what is entailed in this consulting work.

Enclosed for your information is a copy of the Code and a copy of the Rules and By-Laws of the State Board of Technical Registration.

When the Board has been enlightened with the necessary details, they will respond to your questions.

Your cooperation is appreciated and should you need anything further at this time, please do not hesitate to contact our office.

Very truly yours,

F. Mark Edson
Executive Director

ilo

Enclosures

response was large

4850

LAW OFFICES OF
DAVIS & EPPSTEIN, P. C.

SUITE 270 MAGDALENA BUILDING
LA PLACITA VILLAGE
TUCSON, ARIZONA 85701

MAILING ADDRESS:
120 WEST BROADWAY
BOX 48
TUCSON, ARIZONA 85701

TELEPHONE 624-1774
AREA CODE 602

THOMAS J. DAVIS
ROBERT W. EPPSTEIN
BRUCE L. DUSENBERRY
PHILIP J. HALL
DAVID C. BARTLETT
ARMANDO RIVERA

DALE A. HEAD
OF COUNSEL

October 7, 1980

Technical Registration Board
1645 West Jefferson
Phoenix, Arizona 85007

Re: Harrell Consulting

Dear Sirs:

Please be advised that this office represents Mr. L. Gary Harrell, who has recently opened a new business under the name of Harrell Consulting. Mr. Harrell is offering consulting services to real estate developers for the limited purpose of assisting them in meeting public utility requirements in connection with public utility improvements on their development projects.

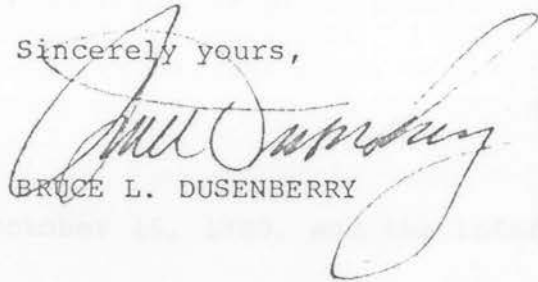
Mr. Harrell does not in any manner represent himself to be a professional engineer, architect or surveyor and will not practice any branch of said professions. He has approximately 10 years experience in the area of public utility services and construction of public utility improvements as an employee of Tucson Electric Power Company. He has resigned his position with Tucson Electric Power and is now offering to assist real estate developers in the areas stated above on a private consulting basis. Mr. Harrell has asked me to obtain all necessary licenses to enable him to engage in this business endeavor.

My research appears to indicate that the only license he will need is a City of Tucson business license. However, in order to be absolutely certain that Mr. Harrell does not run afoul of any other licensing requirements, I am writing to you to obtain confirmation that his public utility consultation service will not require a license from the Technical Registration Board.

Technical Registration Board
October 7, 1980
Page Two

Upon reviewing this letter I would appreciate receiving your response indicating that Mr. Harrell is not required to secure a certificate of registration from your Board. If you need any additional information or would like to discuss this matter in further detail with me please do not hesitate to contact this office. Otherwise, I shall look forward to receiving your written reply in the near future. Thank you in advance for your kind attention to this matter.

Sincerely yours,



BRUCE L. DUSENBERRY

BLD/tal

cc: Harrell Consulting

Filed for Public Comment by
Nov 13 1980

04852

LAW OFFICES OF
DAVIS & EPPSTEIN, P. C.
SUITE 270 MAGDALENA BUILDING
LA PLACITA VILLAGE
TUCSON, ARIZONA 85701

MAILING ADDRESS:
120 WEST BROADWAY
BOX 48
TUCSON, ARIZONA 85701

TELEPHONE 624-1774
AREA CODE 602

THOMAS J. DAVIS
ROBERT W. EPPSTEIN
BRUCE L. DUSENBERRY
PHILIP J. HALL
DAVID C. BARTLETT
ARMANDO RIVERA

DALE A. HEAD
OF COUNSEL

October 22, 1980

Mr. F. Mark Edson
State Board of Technical Registration
1645 West Jefferson, Suite 315
Phoenix, Arizona 85007

Re: Harrell Consulting

Dear Mr. Edson:

Thank you for your letter of October 16, 1980, and the information enclosed therewith.

Mr. Harrell's consulting services will simply amount to coordination and supervision of the construction of public utility improvements on real estate development projects. In conjunction with his consulting work Mr. Harrell will not encroach in any manner upon the area of services offered by professional engineers, architects or surveyors. In fact he intends to utilize the services of these professions in assisting developers with respect to their public utility requirements. The most concise and accurate description I can give you of the services to be performed by Mr. Harrell are contained within the provisions of his consulting agreement with the developer. I am therefore enclosing a copy of pages 3 and 4 of the agreement which include the provisions describing the nature of the service to be rendered.

As indicated in my previous correspondence, Mr. Harrell was employed by Tucson Electric Power (formerly Tucson Gas & Electric) for a period of 9 years, 9 months. During that time he went through an intensive apprenticeship training program, including course work at Pima Community College, to obtain his journeyman lineman certification. He worked as a journeyman lineman for approximately six and a half years. In addition, Mr. Harrell worked in the drafting department of

DAVIS & EPPSTEIN, P. C.

04853

Mr. F. Mark Edson
State Board of Technical Registration
October 22, 1980
Page Two

Tucson Electric Power for approximately eighteen months, and in the department of customer coordinating for approximately eighteen months. His consulting business is really exactly the same kind of work that he was performing in his position as customer coordinator for Tucson Electric Power.

Mr. Harrell will be acting as essentially a facilitator between developers and the public utility companies. I trust that the Board of Technical Registration will agree that these consulting services do not involve any architectural, engineering or surveying work of any kind. Such work is certainly outside of Mr. Harrell's realm of expertise and would have to be performed by licensed professionals.

I hope that this letter provides you with the necessary details you requested and I will look forward to receiving your reply. Thank you again for your assistance and cooperation.

Sincerely yours,



BRUCE L. DUSENBERRY

BLD/tal

Enclosures

cc: Mr. L. Gary Harrell

Developer shall be made within ten (10) days following receipt of Consultant's written statement. 4854

3. Consultant's Services. The Consultant's services shall consist of the general administration and supervision of all public utility improvements on the Project. The term "public utility" shall include only electric, natural gas and telephone services. Water, sewer or any other services that might otherwise be deemed to fall within the category of a utility are specifically not included within the scope of the work to be performed by Consultant hereunder.

4. General Administration.

(a) The Consultant shall check and approve all necessary plans, drawings, maps, plats or other depictions only for conformance with the public utility requirements of the Project. He will oversee the submission of all such drawings and plans, together with any other information required, to the applicable public utility companies.

(b) The Consultant will insure that all necessary applications for off-site and/or on-site public utility services and improvements are submitted in acceptable form to the utility companies.

(c) The Consultant will make periodic visits to the site of the Project to familiarize himself generally with the progress of the public utility work and to determine in general if the work is proceeding in accordance with Developer's objectives. He will not be required to make exhaustive or continuous on-site inspections and will not be responsible for the failure of the public utility companies to carry out their work in

accordance with the Developer's objectives. During such visits and on the basis of his observations while at the site, he will keep Developer informed of the progress of the work, and will endeavor to guard Developer against deficiencies and discrepancies in the construction of public utility improvements.

(d) The Consultant will endeavor to coordinate public utility installation and construction schedules with other work being performed on the Project.

(e) The Consultant will advise the Developer of all costs and expenses relating to public utility improvements and will assist the Developer in negotiating and obtaining public utility services at the lowest possible cost to Developer.

5. Developer's Duties. The Developer shall, so far as the work under this Agreement may require, cooperate fully with the Consultant to facilitate the performance of Consultant's services. In this regard, the Developer agrees as follows:

(a) All payments to and communications with the public utility companies shall be made through the Consultant or with his knowledge and approval. It is expressly understood and agreed that the Developer shall pay all costs and expenses due the public utility companies and Consultant will not be required to advance any sums on behalf of the Developer.

(b) The Developer shall supply to Consultant, for his review, copies of all maps, plats, plans, drawings or other depictions pertaining to the public utility requirements for the Project.

(c) The Developer will generally provide and supply all necessary information required by the public utility companies

- Charles J. O'Sullivan, Chief Engineer
- James A. Smith, Secretary
- Robert L. Harold, Member
- Patricia J. Finley, -4-
- Ray S. Smith, Member
- William L. Galloway, Member
- John L. Stone, Member

- R. Paul Dean, Executive Director
- Patricia Ann, Administrative Secretary

- Allen E. Brown, Member
- Ray V. Smith, Sec. Advisory Council

This project constituted a survey.

1. OLD BUSINESS

The Executive Director brought before the Board the following matter, which was presented at the December 21, 1946, Special Meeting:

REGULATIONS - It was moved by Mr. Galloway and seconded by Mr. O'Sullivan that in the registration process, some variant of notification, the review thereof to be performed by the office staff, and each applicant to be advised in writing of the review recommendation when the staff will vote on the full board. Each notification would include the Commission's vote to each applicant with a request that the applicant advise in writing whether that he in fact understands the law. The notification of this type will include not only those of which are in-state applicants. Each notification must advise each applicant that he has a right to an evidentiary conference provided with a request in writing by the applicant.

RESOLUTION - It was moved by Mr. O'Sullivan, seconded by Mr. Dean that the Board adopt the aforementioned action and to be reported immediately as Board policy until new rules can be formulated by the Legislature.

Chairman further called for a discussion of the action and there was a general discussion of procedure.

MINUTES OF SPECIAL MEETING
ARIZONA STATE BOARD OF TECHNICAL REGISTRATION

FEBRUARY 13, 1981

A special Meeting of the State Board of Technical Registration was held at the office of the Board, Room 315, Occupational Licensing Building, 1645 W. Jefferson, Phoenix, Arizona, on Friday, February 13, 1981. The meeting was called to order by Chairman Wayne O. Earley at 3:40 p.m.

- PRESENT: Wayne O. Earley, Chairman
 Charles E. O'Bannon, Vice-Chairman
 Jimmie R. Nunn, Secretary
 Hector C. Durand, Member
 Patricia J. Finley, Member
 Rod J. Gomez, Member
 William S. Gookin, Member
 John B. Riggs, Member
- F. Mark Edson, Executive Director
 Patricia Wood, Administrative Secretary

- ABSENT: Silas C. Brown, Member
 Gary L. Sheets, Asst. Attorney General

Those present constituted a quorum.

1. OLD BUSINESS

- A. The Executive Director brought before the Board the following motion, which was presented at its November 21, 1980, Special Meeting.

MOTION: It was moved by Mr. Gookin and seconded by Dr. O'Bannon that in the registration process, upon receipt of applications, the review thereof be performed by the office staff, and each applicant be advised in writing of the recommendation which the staff will make to the full Board. Such notification should include the 20-question quiz to each applicant with a request that the applicant affirm by signed affidavit that he in fact understands the law. The mailing of this quiz will include out-of-state as well as in-state applicants. Each notification shall advise each applicant that he has a right to an evaluation conference provided such a request is made in writing by the applicant.

MOTION: It was moved by Dr. O'Bannon, seconded by Mr. Nunn that the Board adopt the aforementioned motion and to implement it immediately as Board policy until new Rules may be formulated by the Legislature.

Chairman Earley called for a discussion of the motion and there was a general discussion of procedure.

MOTION: It was moved by Ms. Finley and seconded by Mr. Gomez that the above motion be amended to state that after staff review and completion of Code examination the application be forwarded to an Evaluation Committee, and an applicant would not be required to be present except by personal choice for a personal audience and review of his application. All questions or problems that may arise from an application should be resolved by correspondence unless the Evaluation Committee feels it is necessary to request an applicant appear for personal review. Motion on the amendment carried. The amended motion carried.

- B. It was brought to the attention of the Board by Mr. Durand that there were no members of the public in attendance. The Executive Director informed the Board that all required meeting notices had been posted but that no one had appeared.

2. NEW BUSINESS

- A. Report of Rules and By-Laws Committee
(Nunn, Chairman; O'Bannon, Finley)

Report by Mr. Nunn:

The Rules and By-Laws Committee met February 12 to review the outline on proposed Rule changes and to discuss the changes with the Board attorney, Gary Sheets. The proposed Rule changes were distributed to members of the Board and discussed in detail. Several changes were recommended by this committee. It was the Executive Director's suggestion that the changes to the Rules be incorporated into a final draft and be presented for public sanction. Shown on Page 04861.

MOTION: It was moved by Dr. O'Bannon, seconded by Mr. Riggs, that the Board adopt the proposed Rule changes as presented by the Committee and that a public hearing be held within the next 20 days or as soon as possible to hear these changes to A.R.S. 32-101, Article 1 and Article 2.

Mr. Nunn reported that the Rules and By-Laws Committee has rewritten A.R.S. 32-101, Article 3, Fees, shown on Page 04866.

MOTION: It was moved by Dr. O'Bannon and seconded by Ms. Finley that the proposed Rule changes be adopted by the Board and that a public hearing be called for within 20 days or as soon as possible. Motion carried.

Special Board Meeting Minutes (Cont'd)
February 13, 1981

- B. The Executive Director requested direction from the Board as to a specific date for a public hearing on Rule changes. Dr. O'Bannon suggested three weeks from the date of the next Board meeting, March 27th, Friday. Ms. Finley suggested that Board members who had a particular interest in any of the Rule changes write them up and submit them to the Board.
- C. The Chairman requested a report on legislative proceedings of the Board. The Executive Director commented on H.B. 2115. This cleared the Tourism, Profession and Occupations Committee with a due pass vote (new Code) and the bill was then assigned to Government Operations Committee where it was heard. However, the bill became confused by issues and other bills. The result was the Committee assigned it to a subcommittee so that disciplines within our Board could get together and present a unanimous recommendation to the subcommittee. A meeting of all concerned parties is to be held Saturday, February 14, 1981.
- D. The Chairman inquired whether the Board has received a response to communications on the ASU stadium. The Executive Director indicated no response has been received. The Chairman directed the Executive Director continue to pursue this matter via correspondence.
- E. The Chairman presented for Board discussion whether the Board would approve an automatic granting of surveyors licenses to engineers who are presently licensed in Arizona and indicated that there was a need to be negotiable to a certain extent on this matter. It was suggested that H.B. 2115 be reworded after Mr. Earley had explained the bill in detail, in accord with whatever form may come out of the February 14th Conference.
- F. The Chairman informed the Board of the progress being made in filling the Admin. Asst. III position and that the Executive Committee planned to interview six applicants on Tuesday, February 17, along with the Executive Director.
- G. The Chairman proposed that a Special Board Meeting be held on Friday, February 20, 1:00 p.m., to certify grades of registrants.
- H. The Chairman expressed appreciation to all Board members in attendance at today's meeting for their time and interest in Board matters and for their consenting to appear at the Special Board meeting to be held next Friday.
- I. MOTION: It was moved by Mr. Gookin and seconded by Mr. Riggs that all the Board members who planned to attend the meeting on Saturday, February 14, concerning H.B. 2115 be authorized to represent the Board and make those changes they deem necessary for unanimous agree-

PE. Automatically granted LS

Special Board Meeting Minutes (Cont'd)
February 13, 1981

ment on this bill. Dr. O'Bannon called for a roll call vote; as follows:

Dr. O'Bannon	-	No
Mr. Gomez	-	Yes
Ms. Finley	-	Yes
Mr. Earley	-	Yes
Mr. Gookin	-	Yes
Mr. Durand	-	Yes
Mr. Riggs	-	No
Mr. Nunn	-	No

Motion carried.

J. MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Gookin that the meeting be adjourned. Motion carried.

ADJOURNMENT: 5:30 p.m.

A. The Board meets regularly in March, June, September, and December to consider applications for registration. ~~Prior to consideration by the Board each applicant will be required to appear before an Evaluation Committee of the Board at a time and place established by the committee. The applicant will at this time complete the personal audience requirements, outlined in Article 2, R4-30-17.~~

- 1) APPLICATIONS MUST BE COMPLETE PRIOR TO EVALUATION, INCLUDING ALL INFORMATION REQUIRED BY THE APPLICATION FORM, ANY TRANSCRIPTS REQUIRED AS PART OF THE TOTAL EXPERIENCE CREDIT, COMPLETE RESPONSES FROM ALL REQUIRED REFERENCES, SIGNED PHOTOGRAPHS, AFFIDAVIT, AND AUTHORIZATION & RELEASE FORM. APPROXIMATELY 6-8 WEEKS ARE REQUIRED TO COMPLETE THE DOCUMENTATION AFTER AN APPLICATION IS FILED.
- 2) THE EXECUTIVE DIRECTOR AND QUALIFIED STAFF WILL EVALUATE EACH COMPLETED APPLICATION AND PREPARE THEIR FINDING FOR REVIEW AND RECOMMENDATION OF AN EVALUATION COMMITTEE OF THE BOARD.
- 3) APPLICANTS WILL BE INFORMED OF STAFF FINDING AT SUCH TIME AS THEY ARE COMPLETED PRIOR TO REVIEW BY THE BOARD'S EVALUATION COMMITTEE AND MAY REQUEST IN WRITING A PERSONAL AUDIENCE WITH THE EVALUATION COMMITTEE TO DISCUSS STAFF FINDING OR TO PRESENT ADDITIONAL DOCUMENTATION.

IN THIS SAME COMMUNICATION, APPLICANTS WILL RECEIVE THE BOARD'S OPEN BOOK CODE & RULES EXAMINATION (R4-30-15) TO COMPLETE BY CORRESPONDENCE AND RETURN TO THE BOARD WITH A SIGNED AFFIDAVIT ATTESTING THEY HAVE READ AND UNDERSTAND ARS 32-CHAPTER 1, 101-145 AND THE BOARDS RULES AND BY-LAWS, GOVERNING THE PRACTICE OF ARCHITECTURE, ASSAYING, ENGINEERING, GEOLOGY, LANDSCAPE ARCHITECTURE, AND LAND SURVEYING IN ARIZONA.

- 4) APPLICANT'S MUST RETURN THE CODE & RULES EXAMINATION TO THE BOARD AND RECEIVE A PASSING 70% SCORE BEFORE BEING SCHEDULED ON AN AGENDA OF THE BOARD'S EVALUATION COMMITTEES.
- 5) EVALUATION COMMITTEES OF THE BOARD MEET IN JANUARY, FEBRUARY, APRIL, MAY, JULY, AUGUST, OCTOBER AND NOVEMBER TO EVALUATE APPLICATIONS AND PREPARE RECOMMENDATIONS FOR BOARD APPROVAL ON THE AGENDA OF REGULAR MEETINGS OF THE BOARD IN MARCH, JUNE, SEPTEMBER & DECEMBER.

B. ~~No application will be evaluated by the committee nor presented to the Board for consideration until all of the required information, including transcripts, concerning the application has been received. This includes a standard application form completely filled out, including required signatures on application, photograph, affidavit, and authorization and release.~~

QUALIFICATIONS REQUIRED BY ARS 32-122 WILL BE EVALUATED IN ACCORD WITH DEFINITIONS AND PROCEDURE ESTABLISHED UNDER R4-30-03 THRU R4-30-10.

C. ~~Architectural applicants required to submit a treatise on seismic forces will be scheduled for evaluation until the treatise has been submitted, satisfactorily graded and accepted by the Evaluation Committee~~ REGISTERED IN OTHER STATES BY 36 HOUR EXAMINATION PRIOR TO 1965 IN STATES OTHER THAN ALASKA, CALIFORNIA, COLORADO, GUAM, HAWAII, IDAHO, NEVADA, NEW MEXICO, OREGON, UTAH, AND WASHINGTON, OR BY EDUCATION AND EXPERIENCE ONLY, IN ANY STATE OR FOREIGN COUNTRY WILL BE REQUIRED TO SUBMIT A "TREATISE ON LATERAL FORCES" IN ACCORD WITH THE BOARD'S INSTRUCTIONS, OR SUCCESSFULLY COMPLETE A SEISMIC SEMINAR GIVEN BY AUTHORITIES APPROVED BY THE BOARD.

D. No Change

E. No Change

F. The Board does not grant ACCEPT APPLICATIONS FOR IN-TRAINING EXAMINATIONS OR PROFESSIONAL registration FROM residents of other states, except under unusual circumstances, unless they hold registration in the State of their legal residence.

G. When an application for registration is denied or withdrawn, the applicants will be so notified of the Board's action. No re-application will be accepted until one year has elapsed from the date of the formal Board action denying the original application. When applications for registration are denied on initial Board action, excluding withdrawals, the refunds will be as per schedule under Article 3.

H. No Change

I. No Change

J. No Change

K. An applicant for any of the in-training programs shall, in order to be admitted to the in-training examinations, submit an application to the Board on prescribed form for approval by the Board. It will be necessary for an applicant to pay the application fee required under Article 3 for registration as an Architect-in-Training, Engineer-in-Training, Geologist-in-Training, Landscape Architect-in-Training OR LAND SURVEYOR-IN-TRAINING, as well as the examination fees stated in Article 3.

R4-30-13. Examination Rules

A. APPLICATIONS FOR REGISTRATION TO PRACTICE FROM APPLICANTS EXPECTING TO QUALIFY FOR PROFESSIONAL EXAMINATIONS MUST BE RECEIVED BY THE BOARD 60 DAYS PRIOR TO THE NEXT EXAMINATION DATE. APPLICATIONS RECEIVED AFTER THE 60 DAY CUT-OFF WILL BE PROCESSED FOR THE EXAMINATION DATE FOLLOWING THE NEXT EXAMINATION DATE.

A. Applicants for registration are permitted to take written examinations only by action of the Board. This action entitles them to take examination on the first date for which the examinations are scheduled. If applicants fail to achieve a passing grade they may be re-examined on the next scheduled examination date. Applicants who are unable to take examinations or re-examinations on the first date for which they are scheduled may apply for a postponement as provided by Paragraph D of this Rule.

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 B. The Board shall select & publish the examination dates and locations at least ~~sixty~~ ^{NINETY} days prior to the date selected. Each applicant will be notified in writing when the Board has determined that he is eligible to take the first scheduled examination or re-examination. The notification will state the date by which the examination fee must be received.

C. No Change

D. No Change

E. No Change

3
 F. An applicant who fails to achieve a passing grade on a re-examination may repeat the re-examination under this rule, EXCEPT THAT APPLICANTS WHO, AFTER ~~5~~ RE-EXAMINATION ATTEMPTS, FAIL TO ACHIEVE A PASSING SCORE WILL BE DENIED FOR FAILURE TO COMPLETE THE REQUIREMENTS OF THE BOARD WITH PREJUDICE AND WITHOUT REFUND. APPLICANTS DENIED UNDER THIS RULE MAY RE-APPLY NOT LESS THAN TWO YEARS AFTER THE DATE OF DENIAL AND MUST RE-ESTABLISH ALL EXAMINATION CREDIT BY RE-EXAMINATION IN THE REQUIRED PARTS OF THE EXAMINATIONS.

may G. Applicants desiring reconsideration REVIEW of their failing examination shall file a petition with the Board at least thirty days prior to the regular meeting subsequent to certification of grades by the Board. At the time of the petition the applicant should indicate whether or not he desires a personal appearance before the Board. WRITTEN REQUEST WITH THE BOARD. THE BOARD'S STAFF WILL ARRANGE FOR APPLICANT'S REVIEW OF THEIR EXAMINATION. THE BOARD WILL VERIFY THAT SCORING IS WITHOUT ERROR, BUT WILL NOT CHANGE A FAILING SCORE TO A PASSING SCORE, NOR WILL THEY RE-GRADE A TEST THAT HAS BEEN GRADED AS PART OF AN EXAMINATION CLASS OR GROUP. *The Board will not regrade a test.*

R4-30-14. General Rules, Applicants for Architect-in-Training, Engineer-in-Training, Geologist-in-Training, Landscape Architect-in-Training, AND LAND-SURVEYORS-IN-TRAINING.

A. Engineer-in-Training, Geologist-in-Training and Landscape-Architect-in-Training LAND-SURVEYOR-IN-TRAINING examinations will be given twice annually, AND IN-TRAINING EXAMINATIONS FOR ARCHITECTS AND LANDSCAPE ARCHITECTS WILL BE GIVEN ONCE ANNUALLY. EXAMINATIONS WILL BE GIVEN at a time and place designated by the Board. and concurrently with the written examination for professional registration. Applications for in-training examination and certification must be received in the office of the Board at least thirty FORTY-FIVE days prior to the scheduled date of examination.

B. Delete Entirely

C. Delete Entirely

D. Delete Entirely

E. Delete Entirely

F. Delete Entirely

G. Delete Entirely

~~B. APPLICATIONS FOR IN-TRAINING EXAMINATIONS WILL BE ACCEPTED IN ACCORD WITH QUALIFICATION STANDARDS UNDER R4-30-03 THRU R4-30-10.~~

R4-30-15. ~~Context-of-Written-Examinations~~ CODE AND RULES EXAMINATION

Delete entire Section A thru L and substitute the following:

THE BOARD'S EXAMINATION ON ARS 32-101 THRU 145 (CODE) AND THE RULES & BY-LAWS CONSISTS OF A MULTIPLE CHOICE, 30 MINUTE EXAMINATION, OPEN BOOK, TO BE COMPLETED BY CORRESPONDENCE.

1. Evidence of progressively increased responsibility leading to direction of substantial professional work, recognized by colleagues, including a diversified range of regulated professional work beyond the range of his immediate specialty. This minimum level of practice is required, however, in light of the excellent performance of work in nature or complexity of the applicant's work shall not have to be sufficient for the purpose of this provision.

2. Other evidence of noteworthy professional contributions including important work in the applicant's field.

3. Twenty years of documented professional practice, or which at least ten years have been devoted to the ability for outstanding work as practice.

4. Ten years of formal education at the college or university level.

5. Graduation with other legal requirements for registration other than education.

The applicant shall provide documentation and shall submit as required by the Board or its review committee to satisfactorily demonstrate compliance with the above described requirements.

6. An applicant under this rule shall appear before a review committee of the Board for an oral professional evaluation at a time and place designated by the Board. The oral evaluation will consist of a comprehensive review of the applicant's qualifications in his profession, based upon the criteria described in subsection 5. If deemed necessary by the evaluation committee, the applicant may be required to provide additional documentation and evidence in support of his application and answer for an additional oral evaluation.

A. An applicant who has achieved recognized standing in his profession may apply for registration without examination. A person applying for registration under this rule must submit to an oral professional evaluation as provided in subsection B and satisfy the following minimum requirements.

1. Evidence of extensive and direct involvement in work in which substantial knowledge of the mathematical and natural sciences has been applied with professional judgment to develop methods or techniques which economically and efficiently utilize the materials and forces of nature for the benefit of mankind. This includes personal decisions concerning important technical problems based on actual analysis and design considerations.
2. Evidence of progressively increased responsibility leading to direction of outstanding professional work, recognized by colleagues, including a diversified group of registered professional peers beyond the range of his immediate associates. While minimum length of practice is specified, longevity in itself or the competent performance of work in routine or repetitive type of assignments shall not alone be sufficient for the purposes of this provision.
3. Other evidence of noteworthy personal contributions concerning important work in the applicant's field.
4. Twenty years of documented professional practice, of which at least ten years must involve direct responsibility for outstanding work or projects.
5. Four years of formal education at the college or university level.
6. Comply with other legal requirements for registration other than examination.

The applicant shall provide documentation and submit exhibits as required by the Board or its review committee to satisfactorily demonstrate compliance with the above described requirements.

B. An applicant under this rule shall appear before a review committee of the Board for an oral professional evaluation at a time and place designated by the Board. The oral evaluation will consist of a comprehensive review of the applicant's contributions in his professional field using the criteria described in subsection A. If deemed necessary by the evaluation committee, the applicant may be required to provide additional documentation and exhibits in support of his application and appear for an additional oral evaluation.

PROPOSED RULES:

04866

Pursuant to ARS 32-124, the State Board of Technical Registration proposes to adopt rules, similar in substance, terms and conditions to the wording of the following:

R4-30-27. Application Fees

The following fees shall accompany an application for registration for a certificate:

1. For an architect, assayer, engineer, geologist, landscape architect and land surveyor, who is a bona-fide resident of Arizona, ~~twenty-five~~ FIFTY dollars.
2. For an architect, assayer, engineer, geologist, landscape architect and land surveyor, who is a legal resident of another state, territory or foreign country, ~~fifty~~ ONE-HUNDRED dollars.
3. Architect-in-Training, Engineer-in-Training, Geologist-in-Training and Landscape Architect-in-Training, ~~ten~~ FIFTEEN dollars.

R4-30-28. Examination Fees

The fees, payable in advance for taking or retaking the examinations, over and above and exclusive of fees required with the application for registration, shall be as follows:

1. ~~In-Training AND PROFESSIONAL examination fees for Architect-In-Training, Engineer-in-Training, Geologist-in-Training, or Landscape Architect-in-Training AND PROFESSIONAL EXAMINATIONS shall be equal to the sum of fees for applicable parts of the appropriate professional examination AS FOLLOWS:~~

2. A. Architect Examinations

(delete entire paragraph and substitute the following:)

IN-TRAINING

- QUALIFYING EXAMINATION \$45.00
- SEC. A - ARCHITECTURAL HISTORY - 2 HOURS
- SEC. B - STRUCTURAL TECHNOLOGY - 3 HOURS
- SEC. C - MATERIALS & METHODS OF CONSTRUCTION - 2 HOURS
- SEC. D - ENVIRONMENTAL CONTROL SYSTEMS - 2 HOURS

(THIS EXAM IS PURCHASED AS A SINGLE EXAMINATION. THE FEE IS NOT DIVISIBLE IN PARTS.)

PROFESSIONAL

PROFESSIONAL EXAMINATIONS

- SEC. A - SITE PLANNING & DESIGN - 12 HOURS - \$50.00
- SEC. B - PROFESSIONAL EXAM - 16 HOURS - \$70.00
- PART I - ENVIRONMENTAL ANALYSIS
- PART II - ARCHITECTURAL PROGRAMMING
- PART III - DESIGN & TECHNOLOGY
- PART IV - CONSTRUCTION

(SECTION B IS PURCHASED AS A SINGLE EXAMINATION. THE FEE IS NOT DIVISIBLE IN PARTS.)

3. --Examinations-Conducted-for-N-G-A-R-B-

(Delete entire paragraph and substitute the following:)

04867

B. Professional Engineer Examinations

IN-TRAINING

FUNDAMENTALS OF ENGINEERING - 8 HOURS \$25.00
PART 1 - AM
PART 2 - PM

PROFESSIONAL

PRINCIPALS & PRACTICE OF ENGINEERING - 8 HOURS \$25.00
PART 3 - PART 4

(THESE EXAMINATIONS ARE PURCHASED AS SINGLE EXAMINATIONS. THE FEES ARE NOT DIVISIBLE IN PARTS.)

STRUCTURAL ENGINEERING - 8 HOURS
PART 5 - LATERAL FORCE ANALYSIS & DESIGN \$15.00
PART 6 - STRUCTURAL ENGINEERING DESIGN \$15.00

5. C. Geologist Examination

(Delete entire paragraph and substitute the following:)

IN-TRAINING

FUNDAMENTALS OF GEOLOGY - 8 HOURS
PART 1 - AM \$15.00
PART 2 - PM \$15.00

PROFESSIONAL

PRINCIPALS & PRACTICE OF GEOLOGY - 8 HOURS
PART 3 - APPLIED GEOLOGY \$15.00
PART 4 - GEOLOGICAL PROBLEMS \$15.00

6. D. Landscape Architect Examination

(Delete entire paragraph & substitute the following:)

IN-TRAINING

UNIFORM NATIONAL EXAMINATION
SUBJECT A - HISTORY - 1 HOUR \$20.00
SUBJECT C - DESIGN - 9 HOURS \$45.00

PROFESSIONAL

UNIFORM NATIONAL EXAMINATION
SUBJECT B - PROFESSIONAL PRACTICE - 1 HOUR \$20.00
SUBJECT D - DESIGN IMPLEMENTATION - 8 HOURS \$45.00

7. E. Land Surveyors Examination

(Delete entire paragraph & substitute the following:)

IN-TRAINING

FUNDAMENTALS OF LAND SURVEYING - 8 HOURS \$25.00
PART 1 - PART 2

(THIS EXAMINATION IS PURCHASED AS A SINGLE EXAM. THE FEE IS NOT DIVISIBLE IN PARTS.)

PROFESSIONAL

- PRINCIPALS & PRACTICE OF LAND SURVEYING - 4 HOURS \$20.00
- LEGAL PRINCIPALS OF LAND SURVEYING - 4 HOURS \$20.00
- 8- F. Assayer Examination \$30.00
- 9- ~~Comprehensive-Oral-Examination~~ ~~\$50.00~~
- 10- G. Personal Audience none
- CODE & RULES EXAMINATION NO CHARGE
- 2. OTHER QUALIFICATION FEES
 - A. PEER REVIEW *Senior Oral Evaluation* \$75.00
 - B. TREATISE ON LATERAL FORCES GRADING FEE \$30.00

R4-30-29. Renewal Fees

(Delete the entire section and substitute the following.)

FOR RENEWAL OF A CERTIFICATE OF REGISTRATION, IF RECEIVED PRIOR TO THE EXPIRATION DATE, THE FOLLOWING FEES WILL BE REQUIRED:

- 1. TRIENNIAL RENEWAL AS AN ARCHITECT, ASSAYER, ENGINEER, GEOLOGIST, LANDSCAPE ARCHITECT, OR LAND SURVEYOR \$90.00
 - A. TRANSITION OF NEW REGISTRANT FROM BILLING DATE (REGISTRATION DATE PLUS SIX MONTHS PLUS OR MINUS, THE NEAREST END OF QUARTER DATE) TO THE REGISTRANTS ALPHA CLASS EXPIRATION DATE - TO BE CALCULATED AT THE RATE OF \$2.50/MONTH

ALPHA CLASS EXPIRATION DATES ARE AS FOLLOWS, BASED ON THE REGISTRANTS LAST NAME INITIAL AT THE TIME OF REGISTRATION:

<u>ALPHA CLASS</u>	<u>EXPIRATION DATE</u>
A - B	MARCH 31, 1984
C	JUNE 30, 1984
D - E	SEPT 30, 1981
F - G	DEC 31, 1981
H - I	MAR 31, 1982
J - K - L	JUNE 30, 1982
Mc - M - N	SEPT 30, 1982
O - P	DEC 31, 1982
Q - R	MAR 31, 1983
S	JUNE 30, 1983
T - U - V	SEPT 30, 1983
W - X - Y - Z	DEC 31, 1983

AFTER THE EXPIRATION DATE SHOWN ABOVE RENEWALS WILL BE FOR A THREE YEAR PERIOD.

- 2. RENEWAL OF IN-TRAINING CERTIFICATION NO CHARGE
- 3. RENEWAL OF REGISTRATION FOR REGISTRANTS QUALIFYING UNDER THE ELDERLY EXEMPTION NO CHARGE

THE BOARD WILL WAIVE RENEWAL FEES FOR REGISTRANTS WHO ARE RETIRED FROM ACTIVE PRACTICE AND WHO HAVE ATTAINED THE AGE OF 65 YEARS UNDER THE FOLLOWING DEFINITIONS:

- A) RETIRED FROM ACTIVE PRACTICE MEANS PHYSICALLY RETIRED FROM A CUSTOMARY PLACE OF BUSINESS OR BUSINESS OFFICE AND NOT ACTIVELY SEEKING CONSULTING COMMISSIONS OR EMPLOYMENT ON A FULL OR PART-TIME BASIS AS A REGISTERED PROFESSIONAL.
 - B) ATTAINED THE AGE OF 65 YEARS MEANS REACHING THAT AGE ON OR BEFORE THE LAST DATE WHEN RENEWALS ARE DUE WITHOUT DELINQUENCY.
 - C) FOR CONSIDERATION OF ELDERLY STATUS AND WAIVER OF RENEWAL FEES UNDER THE ABOVE RULE, REGISTRANTS MUST FILE THE AFFIDAVIT INCLUDED WITH THE RENEWAL NOTICE, AND MUST BE IN GOOD STANDING (NOT DELIQUENT OR LAPSED) AT THE TIME OF FILING.
 - D) REGISTRANTS NOT IN GOOD STANDING MAY SATISFY THIS REQUIREMENT BY PAYING DELINQUENT FEES PLUS THE PENALTY IN ACCORD WITH ARIZONA REVISED STATUTES AT THE TIME THEY BECAME DELIQUENT.
4. PENALTY FOR DELINQUENT PAYMENT OF RENEWAL FEES \$15.00/YEAR OR ANY FRACTION OF A YEAR.
5. THE BOARD WILL CANCEL CERTIFICATES OF REGISTRATION THAT HAVE REMAINED INVALID FOR THREE YEARS. A NEW APPLICATION MUST BE FILED FOR RE-INSTATEMENT WITH FEES IN ACCORD WITH RULE R4-30-27. IF THE BOARD RE-INSTATES THE LICENSE, THE ORIGINAL REGISTRATION NUMBER WILL BE RE-ASSIGNED.

R4-30-31. Refunds

An application for professional registration which has been denied by initial Board action will receive the following refunds: ---

- 1. For an architect, assayer, engineer, geologist, landscape architect and land surveyor, ~~who is a bona-fide resident of Arizona~~, ten dollars.
- 2. ~~For an architect, assayer, engineer, geologist, landscape architect and land surveyor, who is a legal resident of another state, territory, or foreign country, twenty-five dollars.~~

MINUTES OF MEETING
ARIZONA STATE BOARD OF TECHNICAL REGISTRATION
FEBRUARY 20, 1981

A special Board meeting of the State Board of Technical Registration was convened at the offices of the Board, and called to order by Chariman Wayne O. Earley at 1:40 p.m.

<p>PRESENT: Wayne O. Earley, Chairman Charles E. O'Bannon, Vice-chairman Jimmie R. Nunn, Secretary Patricia J. Finley, Member William S. Gookin, Member</p>	<p>ABSENT: Rod Gomez, Member John Riggs, Member Silas Brown, Member Hector Durand, Member Gary Sheets, Asst. Atty. General</p>
<p>F. Mark Edson, Executive Director Patricia Wood, Administrative Secretary</p>	

Those present constituted a quorum.

1. REPORT OF THE EVALUATION COMMITTEES:

A. ARCHITECTURAL EVALUATION COMMITTEE

The Architectural Evaluation Committee Report was presented by Mr. Nunn. Report is shown on Minute Pages 04873-75.

MOTION: It was moved by Mr. Nunn and seconded by Dr. O'Bannon examination scores contained in Architectural Evaluation Committee Report be certified, that the report be accepted and implemented by the Board. Motion carried.

B. ENGINEERING EVALUATION COMMITTEE REPORT

Dr. O'Bannon presented the report of the Engineering Evaluation Committee. Report is shown on Minute Pages 04876 - 04884.

MOTION: It was moved by Dr. O'Bannon and seconded by Ms. Finley that the report be accepted and implemented by the Board. Motion carried.

C. REGISTRATION GRANTED

The Executive Director presented a list of candidates who have completed all requirements for registration. List is shown on Minute Pages 04885 - 04886.

MOTION: It was moved by Dr. O'Bannon and seconded by Ms. Finley that the applicants shown have completed all requirements for registration and that registration be granted. Motion carried.

2. OTHER BUSINESS

A. The Evaluation Committee was unable to complete reevaluation of three files affecting registration for persons now registered in other states, and one file of an engineer desiring admission to the examinations as follows:

1. LANE, Thomas S. - 80-714, Mechanical Engineer

Mr. Lane was reviewed by the Committee on February 5, 1981, in Mechanical Engineering, and Committee recommended denial of his application for lack of experience but suggested, since his degree was in Civil Engineering, he may qualify for Civil Engineering exams in lieu of Mechanical Engineering exams and suggested he change his application. Mr. Lane now makes that request and desires a Civil Engineering evaluation, and examination in April.

MOTION: It was moved by Ms. Finley and seconded by Dr. O'Bannon that Mr. Lane be held for parts 3 and 4 of the civil engineering exam. Motion carried.

2. SEINUK, Ysrael Abraham - 80-542, Structural Engineer

Additional material requested by the Board was submitted. The Board reviewed the material and summary sheet.

MOTION: It was moved by Mr. Gookin and seconded by Dr. O'Bannon that Mr. Seinuk be granted registration in Structural Engineering on the basis of comity. Motion carried.

3. GLIDDEN, Roger Dale - 80-564, Civil Engineer

Additional exam material was submitted from the California Board as requested, verifying that Ca. LSIT exam was not equivalent to the AZ EIT examinations.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Gookin that Mr. Glidden be held for Parts 1 and 2 of the Civil Engineering exam. Motion carried.

4. WILLIAMS, Stephen - 80-049, Civil Engineer

Mr. Williams is registered as a Civil Engineer in California. On February 22, 1980, the Board denied his application No. 80-049 for lack of ten-months' experience and asked him to refile in one year.

MOTION: It was moved by Dr. O'Bannon and seconded by Mr. Gookin that Mr. Williams be granted registration as a Civil Engineer. Motion Carried.

Minutes of Special Board Meeting
February 20, 1981

- B. The Executive Director gave a report on the progress to date of the amendments to Board bills now before the Legislature.
 - C. The Chairman gave a summary to the Board on the status of H.B. 2115 and H.B. 2110 and distributed an explanation of the two bills now before the Legislature. After a general discussion, the Executive Director was requested to lobby against H.B. 2110. Copy of memo forwarded to Representative Wettaw on Minute Page 04887 - 04889.
 - D. Tuesday, February 24, 1981, was decided as the date the Executive Committee would interview the last two applicants being considered for the Admin. Asst.III position.
 - E. The Executive Director announced that reservations had been made at the Aztec Inn in Tucson for the night of March 5th for Board members to attend the dinner planned by Messers Gomez, Durand, and Riggs for Board members administrative staff, and legal counsel, subsequent to quarterly Board Meeting at University of Arizona, March 6th.
- 3 ADJOURNMENT: Ms. Finley was excused from the meeting due to a previous appointment. There being insufficient members present for a quorum, the meeting adjourned at 2:30 p.m.

February 20, 1981

TO: State Board of Technical Registration

FROM: Architectural Examination Committee

The Architectural Examination Committee met on Friday, February 20, 1981 in Phoenix, Arizona with the following members present:

- Arfano, William
- Brown, Robert
- Brown, Thomas
- Burns, Robert
- Carroll, William
- Chapman, Raymond
- Cherney, Alan
- Chippin, John
- Collins, Joseph

The Committee meeting was held to review the results of the examinations given on December 17 and 18, 1980. The final results of the examinations are shown on the following pages.

The Architectural Examination Committee recommends to the Board that this report be accepted and implemented and that these grades be certified.

Respectfully submitted,

- Crocker, Richard
- Cyba, Lisa
- DeLong, Doris
- Engelbrecht, Donald
- Gilman, Carl Ed
- Groves, William
- Harris, Gabriel
- Hicks, Beata
- Hardenbrook, Robert
- Harrison, Richard
- Hoff, Gordon
- Husselberger, Joe
- Kry, Sam
- Laund, Joseph
- Lambert, Gary
- Lester, Gerald
- Wilburn, Jerry
- Shobe, Joe
- Sho, Gary
- Stain, John
- Stroud, Joseph
- Sweeney, Leslie

ARCHITECTURAL EXAMINATIONS

84874

APP. NO.	NAME	PT. I	PT. II	PT. III	PT. IV	PASSED
80-580	Adams, Vincent	P	P	F	P	I,II,IV
77-525	Al-Alawi, Kamal	P	P		P	I,II,IV
80-777	Anderson, Harold	P	P	P	P	I,II,III,IV
80-461	Anderson, Jon	P	P	P	P	I,II,III,IV
* 80-220	Armacost, David	P	P	P	P	I,II,III,IV
80-167	Barrass, Keith	P	P	P	P	I,II,III,IV
* 80-628	Bartels, Kenneth	P	P	P	P	I,II,III,IV
* 80-661	Bartlett, Joseph	P	P	P	P	I,II,III,IV
74-558	Batchelder, James			F		
79-300	Benedict, Peter	F	F	F	F	
71-414	Biddle, Warren	F	F	F	F	
79-694	Bowen, Luke			F	P	IV
* 80-198	Bower, Michael	P	P	P	P	I,II,III,IV
79-611	Bridgers, Carl			P	P	III,IV
80-118	Brizee, William	P	P	P	P	I,II,III,IV
80-662	Brown, Robert	P	P	F	F	I,II
* 80-567	Brown, Thomas	P	P	P	P	I,II,III,IV
80-704	Burns, Robert	P	P	F	F	I,II
80-197	Caragol, Richard	P	P	F	F	I,II
78-221	Chapman, Raymond			F	F	
80-749	Charney, Alan	P	P	P	P	I,II,III,IV
* 79-795	Chipman, John				P	IV
77-528	Colosa, Joseph			F		
79-223	Cortez, Ernest	P	F	F	P	I,IV
80-397	Cox, Dale	P	P	P	P	I,II,III,IV
* 80-568	Dankberg, Ira	P	P	P	P	I,II,III,IV
79-743	Dawson, Bruce	P	P	F	P	I,II,IV
77-180	Dooling, David			F		
77-539	Drakulich, Donald			F		
74-499	Duncan, Clarence	F	F	F		
80-672	Ebrahim, Mohamed	P	P	F	F	I,II
* 80-550	Eglin, Evan	P	P	P	P	I,II,III,IV
80-643	Fortney, Dorian	P	P	P	P	I,II,III,IV
80-637	Fredrikson, Donald	P	P	P	P	I,II,III,IV
* 80-481	Gajdorus, Carl 2nd	P	P	P	P	I,II,III,IV
80-282	Godfrey, Preston	P	P	P	P	I,II,III,IV
78-539	Guzman, Gabriel	F	F	F	F	
78-291	Hakim, Besim	P	P	F	F	I,II
79-632	Hardenbrook, Robert			P		III
80-674	Harrison, Richard	P	P	P	P	I,II,III,IV
* 78-270	Heft, Barden			P		III
* 80-451	Himmelberger, Doug	P	P	P	P	I,II,III,IV
78-217	Hryb, Roman		P	P		II,III
* 80-169	Hubbard, Joseph	P	P	P	P	I,II,III,IV
79-233	Kabobel, Gary				P	IV
* 80-618	Kesler, Gerald	P	P	P	P	I,II,III,IV
79-592	Kilbane, Terry			P	P	III,IV
80-271	Kimoto, Jon	F	P	F	P	II,IV
80-657	King, Gary	P	P	P	P	I,II,III,IV
* 79-734	Klein, James	P	P	P	P	I,II,III,IV
71-318	Kopecek, Josef	F	F	F	F	
78-431	Kovacs, Laszlo	F		F		

ARCHITECTS-Cont'd

		PT. I	PT. II	PT. III	PT. IV	PASSED	
*	80-640	Lamb, Gary	P	P	P	P	I,II,III,IV
	76-116	Lewis, Robert			F		
	79-707	Lindquist, Bruce	P	F	F	F	I
*	80-399	Linneen, Dave	P	P	P	P	I,II,III,IV
	80-171	Lomeli, Ricardo	P	P	P	P	I,II,III,IV
	74-538	Lucero, Edward			F	F	
	80-170	Lusardi, Stanley	P	P	P	P	I,II,III,IV
	80-114	Maroufkhani, Dariush	P	P	F	P	I,II,IV
*	80-639	Martin, Gregg	P	P	P	P	I,II,III,IV
*	79-647	Mason, David	P			P	I,IV
	80-165	Mather-Boehm, Deb.	P	P	P	P	I,II,III,IV
*	80-453	Milburn, Michael	P	P	P	P	I,II,III,IV
	77-154	Mogro, Carlos			F	P	IV
	71-391	Moos, Stephen			F	F	
	80-273	O'Leary, Michael	P	P	P	P	I,II,III,IV
*	79-630	Olson, Victor	P	P	P	P	I,II,III,IV
	80-642	Ong, Curtis	P	P	F	P	I,II,IV
	78-380	Palmeri, Richard	F	F	F	F	
	80-504	Pea, Wayne	P	P	F	P	I,II,IV
	77-224	Pujadas, Jose	F				
	79-225	Radoccia, Reynold	P	P	F	F	I,II
*	80-560	Ray, Duane	P	P	P	P	I,II,III,IV
*	79-681	Reid, Robert			P	P	III,IV
*	79-682	Rollings, Debra				P	IV
	79-735	Rothwell, Susanne	P	P	P	F	I,II,III
	80-551	Roubound, Anthony	P	P	P	P	I,II,III,IV
	79-683	Sadeghi, Jalal	P	P	P	F	I,II,III
*	79-684	Sandoval, Robert			P		III
	80-199	Santa Maria, Antonio	P	F	F	F	I
	80-606	Schulz, Bradley D.	P	P	P	P	I,II,III,IV
	80-236	Schweiger-Nitchals,S	P	P	P	P	I,II,III,IV
	79-618	Simko, Eugene				P	IV
	76-353	Slatewala, Abdul		P		F	II
*	80-591	Steill, Roger	P	P	P	P	I,II,III,IV
*	80-592	Stein, Morris	P	P	P	P	I,II,III,IV
	80-465	Stickley, Martin	P	P	F	P	I,II,IV
*	79-386	Sydnor, Douglas				P	IV
*	80-514	Todd, Gary	P	P	P	P	I,II,III,IV
*	80-619	Todd, Stephen	P	P	P	P	I,II,III,IV
*	80-538	Tom, Richard	P	P	P	P	I,II,III,IV
	80-675	Trzos, Thaddeus	P	P	P	P	I,II,III,IV
*	80-673	Tyndall, Joseph	P	P	P	P	I,II,III,IV
	80-115	Ulrich, Roger	P	P	F	P	I,II,IV
*	80-656	Umberger, Martin	P	P	P	P	I,II,III,IV
*	80-746	Vinson, Mark	P	P	P	P	I,II,III,IV
*	80-509	Wald-Hopkins, Wm.	P	P	P	P	I,II,III,IV
*	79-549	Wang, Yu An	P	P	P	P	I,II,III,IV
*	79-686	Wilson, David			P	P	III,IV
*	80-638	Wong, Rodin	P	P	P	P	I,II,III,IV

February 20, 1981

TO: State Board of Technical Registration

FROM: Engineering Examination Committee

The Engineering Examination Committee met on Friday, February 20, 1981 in Phoenix, Arizona with the following members present:

The Committee meeting was held to review the results of the examinations given October 31 and November 1, 1980. The final results of the examinations are shown on the following pages.

The Engineering Examination Committee recommends to the Board that this report be accepted and implemented and that these grades be certified.

Respectfully submitted,

76-100	Bartella, Irving	F	F
76-101	Bart, Joel	Ex.	Ex.
76-102	Brazek, Christeen	F	F
76-103	Burke, Jerry	F	F
76-104	Card, Joe	Ex.	Ex.
76-105	Carroll, William	Ex.	Ex.
76-106	Cleaver, French	Ex.	Ex.
76-107	Collins, William	Ex.	Ex.
76-108	Crawford, David	Ex.	Ex.
76-109	Dunne, Charles	Ex.	Ex.
76-110	Dunford, Mark	F	F
76-111	Dunham, Edward	Ex.	Ex.
76-112	Dunham, John	Ex.	Ex.
76-113	Dunham, John L.	Ex.	Ex.
76-114	Dunham, David	Ex.	Ex.
76-115	Dunham, Ronald	Ex.	Ex.
76-116	Dunham, James	Ex.	Ex.
76-117	Dunham, Robert	Ex.	Ex.
76-118	Dunham, Kenneth	Ex.	Ex.
76-119	Dunham, Peter	Ex.	Ex.
76-120	Dunham, Edie	Ex.	Ex.
76-121	Dunham, Sam	F	F
76-122	Dunham, Mark	Ex.	Ex.
76-123	Dunham, David	Ex.	Ex.
76-124	Dunham, Donald	Ex.	Ex.
76-125	Dunham, Michael J.	Ex.	Ex.
76-126	Dunham, John	F	F
76-127	Dunham, Navica	F	F
76-128	Dunham, Robert	F	F
76-129	Dunham, David	Ex.	Ex.
76-130	Dunham, Charles	F	F
76-131	Dunham, Thomas	Ex.	Ex.
76-132	Dunham, John	Ex.	Ex.
76-133	Dunham, Michael	F	F

<u>AERONAUTICAL ENGINEERING</u>		<u>PT. I</u>	<u>PT. II</u>	<u>PT. III</u>	<u>PT. IV</u>	<u>PASSED</u>
80-329	Irwin, William	P	P	F	F	1,2
<u>ASSAYING</u>						
80-579	Aboud, George	F	F			
<u>CHEMICAL ENGINEERING</u>						
9977	Gutierrez, Gilbert	P	P			1,2 for the rec.
76-119	Roberts, S. Von	Ex.	Ex.	F	F	
76-260	Rosenstock, Hubert	Ex.	Ex.	F	P	
<u>CIVIL ENGINEERING</u>						
70-58	Bertella, Guido	P	F	P	P	
80-519	Best, Joel	Ex.	Ex.	P	F	3
79-198	Brozek, Christoph	P	P	P	F	
76-585	Buckley, Terry	F	P	DNA	DNA	
76-208	Buxton, Lawrence	P	P	P	F	
80-333	Byall, Robert	Ex.	Ex.	F	F	
* 80-048	Cano, Joe	Ex.	Ex.	P	P	3,4
* 80-548	Carroll, William	Ex.	Ex.	P	P	3,4
* 79-542	Clevenger, French	Ex.	Ex.	P	P	3
* 80-424	Collings, William	Ex.	Ex.	P	P	3,4
* 77-370	Crawford, David	Ex.	Ex.	P	P	3,4
80-371	Dabney, Charles	Ex.	Ex.	F	F	
78-697	Danelowitz, Mark	F	F	F	F	
* 78-691	DiSanza, Edmund	Ex.	Ex.	P	P	3
80-556	Dunbar, Mark	Ex.	Ex.	P	F	3
80-278	Enright, Richard	Ex.	Ex.	F	P	4
77-118	Fleet, Fred	P	F	P	P	
80-174	Foster, Thomas				F	
* 80-521	Friedhoff, Bruce	P	P	P	P	1,2,3,4
75-354	Funderburk, Harvey	F	P	P	P	
* 79-4	Gasper, Jerome	Ex.	Ex.	P	P	3
80-84	Gentry, Ronald	P	F	P	F	
* 80-394	Haskins, Alison L.	Ex.	Ex.	P	P	3,4
* 79-816	Hensley, David	Ex.	Ex.	P	P	3,4
79-483	Hutson, Ronald	F	F	P	P	3,4
79-819	Inman, Gregg	F	F	P	P	3,4
78-557	Inti, Ramakrishna	Ex.	Ex.	F	P	
* 80-372	Isaacson, Kenneth	Ex.	Ex.	P	P	3,4
* 80-469	Johnson, Peter	Ex.	Ex.	P	P	3,4
69-270	Kirdar, Edib	Ex.	Ex.	F	P	
* 80-217	Lee, Sang	P	P	P	P	1,2,3,4
* 80-549	McCarty, Mark	Ex.	Ex.	P	P	3,4
* 79-582	Martin, David	Ex.	Ex.	P	P	3
* 80-021	Martinez, Ronald	Ex.	Ex.	P	P	3
80-595	Marum, Michael J.	Ex.	Ex.	F	P	4
75-231	Masowdi, Amir	P	F	P	P	
76-103	Milicevic, Novica	F	P	F	P	
* 79-458	Mohning, Robert	P	P	P	P	1,2,3,4
* 80-100	Monihan, David	Ex.	Ex.	P	P	3,4
75-421	Nixon, Charles	P	F	P	P	
* 78-698	Orr, Thomas	Ex.	Ex.	P	P	3,4
* 80-577	Palmer, Keith	Ex.	Ex.	P	P	3,4
80-030	Pekala, Michael	P	F	P	P	3

<u>CIVIL ENGINEERING-Cont'd</u>		<u>Pt. I</u>	<u>Pt. II</u>	<u>Pt. III</u>	<u>Pt. IV</u>	<u>Passed</u>
	80-418 Phelan, Thomas	F	F	F	F	
	80-522 Pidskalny, Robert	P	P	F	DNA	1,2
	79-453 Quay, J.H.	Ex.	Ex.	F	F	
*	80-035 Robbins, Joseph	Ex.	Ex.	P	P	3,4
*	79-773 Robertson, James	P	P	P	P	2
	79-567 Rothberg, Melvin	F	F	F	F	
	79-726 Russell, James	Ex.	Ex.	F	F	
	76-566 Savicky, John	Ex.	Ex.	P	F	
*	80-547 Scofield, Larry	Ex.	Ex.	P	P	3,4
*	79-319 Shafe, Michael	P	P	P	P	3,4
	79-423 Silva, Santiago	Ex.	Ex.	P	F	3
*	80-563 Smith, Leo	Ex.	Ex.	P	P	3,4
*	79-576 Starkenburg, Wesley	Ex.	Ex.	P	P	4
*	80-002 Stevenson, Bayard	Ex.	Ex.	P	P	3,4
	80-373 Teran, Antonio	Ex.	Ex.	F	P	4
	80-338 Tsang, Antony	Ex.	Ex.	F	P	4
*	80-102 Tzeng, Charles	Ex.	Ex.	P	P	3
	79-518 Vallelonga, Robert	Ex.	Ex.	P	F	
*	80-313 Ward, Robert	Ex.	Ex.	P	P	3,4
	80-89 Ware, William	Ex.	Ex.	P	F	
	79-692 Webb, Larry	Ex.	Ex.	F	P	4
	79-656 Welt, William	F	F	P	F	3
	76-320 Wilkie, Paul	F	P	P	P	3
	79-691 Willis, Thomas	F	F	F	DNA	
	80-596 Willson, James	Ex.	Ex.	P	F	3
	78-345 Wright, William	F	F	F	F	
	76-407 Yeager, Larry	Ex.	Ex.	P	F	

ELECTRICAL ENGINEERING

*	75-403 Ahmed, Najmuddin	Ex.	Ex.	P	P	4
	80-136 Arechavaleta, Joe	P	P	P	F	
*	80-072 Atwell, Paul	Ex.	Ex.	P	P	4
	79-400 Bagby, Barnabas	Ex.	Ex.	F	P	
	80-494 Beatty, Harvey	Ex.	Ex.	F	P	4
	78-393 Brown, Lewis	Ex.	Ex.	F	P	
	75-185 Campbell, William	P	F	P	P	
	79-727 Echols, Jack	F	F	F	F	
	79-227 Emerson, Asher	Ex.	Ex.	F	F	
*	80-063 Gold, Leonard	P	P	P	P	3
	74-669 Haines, Robert	F	P	P	P	
	76-578 Hawkins, Dan	Ex.	Ex.	P	F	
	79-85 Kenyon, Scott	Ex.	Ex.	F	P	
*	79-820 LaRose, Thomas	Ex.	Ex.	P	P	4
	70-240 Martinez, Joseph	Ex.	Ex.	F	F	
	79-382 Murphy, David	Ex.	Ex.	F	P	4
	78-724 Pearson, Jaryl	Ex.	Ex.	P	F	
*	80-571 Reagan, John	Ex.	Ex.	P	P	3,4
*	79-181 Seigel, Jeffrey	P	P	P	P	2
	80-069 Shecton, Michael	F	F	F	F	
*	80-403 Stanton, Theodore	Ex.	Ex.	P	P	3,4

GEOLOGICAL ENGINEERING

	79-130 Langland, Leo	F	F	F	F	
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GEOLOGIST

		Pt. I	Pt. II	Pt. III	Pt. IV	Passed	
*	79-617	Ericson, Wayne	P	P	P	P	1,2,3,4
*	80-243	Galey, Jimmy	Ex.	Ex.	P	P	3,4
*	80-244	Hix, Gary	P	P	P	P	1,2,3,4
	80-231	Magee, Maurice	Ex.	Ex.	F	F	
*	80-512	Niccoli, Mary	Ex.	Ex.	P	P	3,4
*	79-363	Parker, Harry	Ex.	Ex.	P	P	3,4
*	79-729	Patton, Thomas	P	P	P	P	1,2,3,4
*	80-396	Ross, Donald	Ex.	Ex.	P	Ex.	3
*	80-378	Turner, Terry	Ex.	Ex.	P	P	3,4
*	80-427	Wilson, Robert	P	P	P	P	1,2,3,4

HIGHWAY ENGINEERING

	74-166	Blizzard, Max	F	F	F	P	
	74-271	Bloom, Norman	P	F	F	P	
	73-44	Key, Orin	P	F	P	P	
	74-173	Lay, George	P	F	P	P	
	70-413	Patty, John	F	P	P	P	
	73-290	Snyder, Jack	F	P	P	P	

MECHANICAL ENGINEERING

*	79-375	Amols, Lenard	Ex.	Ex.	P	P	3
	79-23	Barnes, Philip	Ex.	Ex.	F	P	
	80-251	Bundy, David	Ex.	Ex.	F	P	4
*	79-777	Burgess, Donald	P	P	P	P	2,3
	79-763	Deichmann, A. Michael	Ex.	Ex.	F	F	
	77-655	Drummond, David	P	F	F	F	
*	80-367	Ferri, Mark	Ex.	Ex.	P	P	3,4
	79-644	Gauntlett, William	Ex.	Ex.	F	P	
	78-130	Hannifin, Edmund	P	F	P	P	
	72-599	Hoffarth, Richard	Ex.	Ex.	F	P	
*	78-722	Hunsaker, Jan	Ex.	Ex.	P	P	3
*	79-716	Kent, Gary	P	P	P	P	3
*	80-366	Kim, Hui	Ex.	Ex.	P	P	3,4
*	80-534	Kluger, Michael	Ex.	Ex.	P	P	3,4
	78-16	Lamson, Edward	Ex.	Ex.	F	P	4
	70-432	Miller, Marion	F	F	P	P	
*	80-125	Nelson, William	Ex.	Ex.	P	P	3,4
*	79-228	Olsen, Julius	Ex.	Ex.	P	P	3
	79-646	Richards, Malcolm	P	F	P	P	3
*	79-828	Schembri, Philip	Ex.	Ex.	P	P	3 ✓
	79-512	Sim, James	Ex.	Ex.	P	F	
	77-641	Thornberry, Harold	P	P	F	F	
	80-449	Snow, Gene	F	F			

METALLURGICAL ENGINEERING

	79-133	Dugger, Robert	P	F	P	P	
*	80-330	Edmiston, Kenneth	P	P	P	P	1,2,3,4

MINING ENGINEERING

	79-798	Hardy, Kim	Ex.	Ex.	F	P	4
*	80-298	Nelson, Lewis	Ex.	Ex.	P	P	3,4
*	79-489	Ostberg, Jerry	Ex.	Ex.	P	P	4
	80-135	Roggenthen, Robert	Ex.	Ex.	F	P	4

NUCLEAR ENGINEERING

*	80-355	Rashid, Peter	Ex.	Ex.	P	P	3,4
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SANITARY ENGINEERING

		Pt. I	Pt. II	Pt. III	Pt. IV	Passed
	79-339 Crisafulli, Lawrence	F	F	F	F	
	80-80 Garza, Marvin	F	F	F	F	
*	80-018 Hiett, Harley	Ex.	Ex.	P	P	3,4
*	80-440 Pontius, Dennis	Ex.	Ex.	P	P	3,4
	77-573 Willis, Brayton	F	F	P	P	4

STRUCTURAL ENGINEERING

		Pt. III	Pt. IV	Pt. V	Pt. VI	Passed
	80-436 Asaud, Samuel	u	y	F <i>structural u</i>	F <i>structural u</i>	
	80-337 Ayotte, Adrian			F	F	
*	79-751 Baldwin, John			P	P	5,6
*	80-490 Barker, Robert			P	P	5,6
	78-319 Barre, Ib	P	P	P	F	
*	80-044 Campbell, Stephen			P	P	5,6
	80-178 Chavez, Phillip			F	F	
	80-027 Dunn, W. Gary	P	P	F	F	3,4
	80-464 Feeney, Jeffrey			P	F	5
	80-185 Fistler, Merle			F	F	
*	80-045 Gunnin, Bill			P	P	5,6
	80-345 Holmes, Donald			P	F	5
*	80-557 Keenan, Brooks	P	P	P	P	3,4,5,6
*	80-300 Kile, Winston			P	P	5,6
	79-614 Mahaley, Robert			F	F	
*	79-650 Neaves, Robert			P	P	5,6
*	80-435 Phillips, Courtney			P	P	5,6
*	80-98 Rivera, Michaela	P	P	P	P	5,6
*	80-530 Selberg, Les Paul			P	P	5,6
	80-546 Singh, Hardip	P	P	F	F	3,4
*	80-122 Solomon, Morton			P	P	5,6
	78-8 Stevens, Alexander			P	F	
	79-323 Tomasso, Robert			P	F	
	80-561 Turley, Richard	P	P	P	F	
	80-531 Tychowski, Christopher			P	F	5
	80-101 Tzeng, Charles			F	F	
	79-829 Varga, Joseph			P	F	5
	80-109 Waters, Charles			F	F	
	79-124 Wilson, Robert			<i>Struct</i>	<i>Struct</i>	
	79-121 Woods, Michael					
*	80-074 Wynn, Elliott					
	79-040 Yarnall, John	F	F	F		
*	80-176 Yorker, Richard					
	78-230 Zeylan, Donald	F	F	F		
*	79-388 Peters, Lloyd	F	F	F		
	71-281 Piskalov, Robert	F	F	F		
	80-182 Reed, Jeffrey	F	F	F		
	80-460 Rosenbaw, Edgar	F	F	F		
	77-127 Robinson, Allen	F	F	F		
	80-482 Robinson, Gary	F	F	F		
*	80-174 Siskind, Timothy	F	F	F		
*	80-25 Slaughter, Robert	F	F	F		
	78-428 Smith, Paulie	F	F	F		
*	79-524 Spoor, Kenneth	F	F	F		
	77-044 Spohn, Alan	F	F	F		

	<u>LAND SURVEYING</u>	<u>PART I</u>	<u>PART II</u>	<u>PART III</u>	<u>PART IV</u>	<u>PASSED</u>
*	80-142 Allan, Barry				P	4
*	79-195 Arndt, Frederick				P	4
*	80-158 Backer, Gary L.				P	4
*	80-326 Barnett, Sammy				P	4
*	77-634 Brugger, Norman				P	4
	80-575 Bunger, Evert	F	F	F	F	
	79-320 Burcham, Marcie	F	P	F	F	
*	79-500 Burden, Scott	P	P	P	P	4
*	80-429 Carleton, Linwood				P	4
	79-391 Christman, Gary	F	F	P	P	
	79-21 Collon, Patrick	P	P	F	F	
*	80-430 Deck, Charles				P	4
*	80-190 Dellinger, Charles	P	P	P	P	1,2,3,4
	78-504 DePrisco, Louis				F	
*	80-207 Dubron, Arthur				P	4
*	80-050 Falksen, Suzanne	P	P	P	P	1,3,4
	80-245 Fletcher, Charles				F	
	71-148 Garcia, Ernest	F	P	F	P	
*	80-370 Gerrow, Mahlon				P	4
	77-598 Gingles, William	P	P	P	F	
	80-318 Gomeau, George	F	F			
	80-140 Groff, Jon	F	F	F	F	
*	80-428 Haennelt, Hugh				P	4
*	79-119 Hall, David	P	P	P	P	2,4
	80-229 Haywood, George	P	P	P	F	1,2,3
	79-35 Hollenbach, Thomas	F	P	P	F	
	76-47 Horacek, Jerry	P	P	P	F	
	80-161 Hosman, Paul	F	F	F	F	
	80-321 Jeffries, Jerry				F	
	80-533 Knudson, Richard	P	P	P	F	1,2,3
	80-90 LeMon, Thomas	F	F			
	80-347 Lux, Phillip	F	F	F	F	
	80-141 Lynck, James	P	P	P	F	1,2,3
	79-675 Mason, Reuben	F	F	F	F	
*	79-454 Miller, Robert	P	P	P	P	4
	79-121 Moore, Michael	F	F	F	F	
*	80-074 Moss, Elliott				P	4
	79-663 Panchalk, John	F	P	F	F	
*	80-376 Parker, Richard				P	4
	74-297 Payton, Donald	F	F	F	F	
*	79-569 Peters, Floyd	P	P	P	P	1,2,3,4
	71-281 Pidskalny, Robert	P	P	P	F	
	80-462 Reed, Jeffrey	P	P	P	F	1,2,3
	80-96 Risenhoover, Edgar				F	
	77-57 Robberson, Allen	P	P	P	F	
*	80-82 Robertson, Gary				P	4
*	78-174 Shelest, Timothy	P	P	P	P	4
*	80-99 Slaughter, Robert	P	P	P	P	4
	72-628 Smith, Romain	P	P	F	F	
*	78-534 Speer, Kenneth	P	P	P	P	2,4
	77-644 Speth, Alan	P	P	P	F	

LAND SURVEYING-Cont'd

	PART I	PART II	PART III	PART IV	PASSED
* 80-208 Spire, Lari	P	P	P	P	1,2,3,4
79-124 Stairhime, Walter	F	F	P	F	
78-460 Stewart, Tommie	P	P	P	F	
80-162 Thomas, Robert	P	P	P	F	1,2,3
* 80-445 Thomas, William	P	P	P	P	1,2,3,4
69-77 Torres, Alfonso	P	DNA	P	F	
* 77-119 Whitmer, Larry	P	P	P	P	4
80-574 Williams, Stephen	F	F	F	F	

80-211					
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80-155	Addy, James J.	F	80-190	Gross, Karl William	P
80-021	Altman, Billy S.	F	80-023	Guess, Charles P.	F
78-149	Andersen, Peter Eric	F	79-13	Gutierrez, Adrian C.	F
80-200	Baker, Jeffery Jon	P	79-257	Hale, Robert Wayne	F
76-8	Ballesteros, Louis	F	80-235	Hamblin, Robin L.	P
*80-121	Bates, Beth Anne	P	80-014	Hampsten, Alva B.	F
80-231	Beaver, Martha L.	P	80-208	Harrington, John M.	P
79-4	Beltran, Raymond E.	P	79-68	Harrington, Michael J.	F
80-214	Benway, Geoffrey Alan	P	80-191	Hatcher, Stephen R.	P
80-159	Billingsley, John Mark	P	*80-201	Hatten, Margie M.	P
80-154	Bishop, Debra S.	P	80-199	Heckathorn, Thomas C.	P
80-217	Blanchette, Mary P.	P	80-221	Holley, John Alexander	P
*80-179	Bortfeld, Robert James	P	80-129	Hormby, David Edwin	P
80-064	Boyd, David Allen	P	80-196	Hubbard, Michael Gerald	P
80-203	Brechler, Chris K.	P	*79-142	Iannarino, Robert J.	P
80-145	Breckenridge, Jerry A.	F	80-225	Irish, David	P
80-232	Brininstool, Michael R.	P	80-088	Jaspers, Byron Wesley	P
*80-009	Bruder, Thomas D.	P	80-174	Johannis, John	P
80-054	Bruner, Barry Lee	P	80-195	Johnson, Martha Fay	F
80-137	Burgett, Michael R.	F	80-185	Jolly, Timothy D.	P
80-172	Cadden, Frank Michael	P	80-153	Kalisz, John B.	P
77-24	Cambier, James S.	F	80-127	Kesler, Steven Leon	F
79-138	Casey, Dennis Charles	F	80-204	Knight, Roy Stanford	P
80-189	Cavanaugh, Timothy J.	P	79-80	Knudsen, Dennis C.	F
77-136	Cawood, Carl G.	F	80-237	Koski, Paul J.	P
80-230	Colditz, Mark Wayne	P	78-161	Krosting, Ronald Roy	F
80-188	Collins, James Francis	P	80-222	Larsen, K. Stephan	P
80-022	Consoni, Robert E.	F	80-212	Lee, Susan	P
80-043	Couch, Duncan J.	P	80-194	Litin, Curtis Howe	P
77-14	Daily, Michael Dennis	F	80-176	Long, John Leonard	P
80-171	Darby, Steve	P	80-128	Lord, Roberta	F
80-186	Davis, Stephen K.	P	78-36	Lyall, Albert Neil III	F
80-158	Delong, Douglas M.	F	80-166	Madison, Jordan E.	F
79-199	Dixon, Sharon A.	F	80-224	Maslana, Eugene Stanley	P
79-115	Doell, Richard W.	P	79-213	Mathieu, Michael Emmett	F
80-197	Dolan, Brian Francis	P	80-152	Matthews, Daniel P.	F
79-8	Doll, Jerry Kenneth	F	80-003	McCabe, Douglas Jay	F
80-233	Donovan, Michael J.	F	80-037	McKune, Carter Lynee	F
*80-151	Doyle, Dennis M.	P	*80-001	McReynolds, George M. Jr.	P
80-140	Dreasen, Kathryn M.	P	80-236	Moore, Daniel Wayne	P
80-016	Duran, Manuel L.	F	*80-156	Morse, Robert Laurence	P
80-168	Engel, Bart Alexander	P	79-151	Mortensen, Steven L.	F
80-177	Farrington, Mark	P	80-240	Mounts, Thomas T. II	P
*79-11	Feyen, Kenneth Jack	P	80-149	Mueller, Michael H.	P
80-206	Flick, Matthew Wayne	P	80-150	Nguyen, Phong Dang	P
80-210	Folkerts, Michael David	P	80-227	Olson, Benedict Anthony	P
*80-182	Forney, Kirk D.	P	80-205	Paisola, Valerie	P
80-184	Fowler, Steven F.	F	80-198	Palermo, Michael J.	F
80-157	Glass, Clinton M.	F	*80-167	Panagiotaros, Ted A.	P
80-104	Goodrich, Evelyn Lunn	P	80-075	Peacock, Michael W.	F
80-103	Goodrich, George M.	P	80-207	Pearson, Chet Lloyd	P
80-211	Goudy, Susan Elizabeth	P	*80-125	Pyon, James JungMin	P

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80-178	Radnoti, Robert P.	P
80-209	Renckly, Thomas	P
80-123	Rieffer, David	P
80-229	Rowe, Timereel Glen	P
80-175	Sadrisabet, Mehrad	P
79-255	Sargent, Omah	P
80-084	Schaller, Cyril David	P
80-187	Schlesinger, William D.	P
80-219	Scott, Brian M.	P
79-224	Siefert, John Richard	P
80-170	Standing, Paul Barclay	F
80-228	Stanley, Jeffrey A.	P
80-220	Stave, Karl D.	P
80-183	Stevens, Charles R. Jr.	P
80-165	Suedkamp, Mark H.	P
80-164	Tahmassian, Azad T.	F
80-160	Talbert, Paul B.	P
80-215	Tang, Millie	P
80-005	Tarr, Michael Allen	F
80-193	Tehan, Matthew A.	P
80-192	Tomich, Gary A.	F
80-017	Toronto, Richard C.	P
80-161	Trujillo, Robert T.	F
80-218	Vasquez, Santos	F
80-087	Walker, Cathy Eileen	P
80-202	Watson, John Earl	P
80-223	Welp, Katherine	P
80-234	Whitaker, Orvil R. III	P
80-169	Wich, Michael B.	P
80-124	Wickroski, Larry A.	F
80-95	Winrow, Robert Paul Jr.	P

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Morse, Robert Laurence	2349
Panagiotaros, Ted A.	2350
Pyon, James JungMin	2351



State of Arizona
BOARD OF TECHNICAL REGISTRATION

4887

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

February 19, 1981

MEMORANDUM

TO: Representative John Wettaw

FROM: F. Mark Edson, Executive Director
Board of Technical Registration

SUBJECT: H.B. 2115
Landscape Architecture - Practice Exemptions

I am attaching the amendment to H.B. 2115 you requested which deletes new language relating to exemptions for nonregistrants engaged in the practice of landscape architecture.

While we agree that it would be less confusing to discuss the differences between H.B. 2115 and another bill, H.B. 2110, on the subject of these same exemptions at a hearing of H.B. 2110, the Board does not feel it is advisable to strike its recommendations for resolution of the differences between the present law and the exemptions requested by Landscape Contractors.

The problem surfaced with a complaint against a nonregistrant. Our Assistant Attorney General advised us that the present law permitted no exempt landscape practice, and thus the Board response to the complaint was to authorize sanctions that would stop the practice by nonregistrants. Landscape Contractors were upset---rightly so, and a legislative solution to the problem was addressed by the Board in two separate hearings, at which time the Landscape Contractors were heard.

The Board resolved that Landscape Contractors could be better exempt by allowing them to do all single-family residential work, and by providing a dollar limit for other types of projects, primarily commercial work. These exemptions are proposed under Sec. 32-144 (Pg. 8 of H.B. 2115, lines 28 - 31). This philosophy is consistent with exemptions provided for other professions, is enforceable and doesn't present administrative problems.

Memorandum
Representative John Wettaw
February 19, 1981
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The Landscape Contractors, not satisfied, pushed introduction of their proposal under H.B. 2110 through the Commerce Committee.

H.B. 2110 has passed the Rules Committee and may have passed the House by now. It is not a good bill in that it exempts a whole industry from requirements of qualification standards administered by our office, and it delegates the scope of permitted activities from the Technical Registration Board to the Registrar of Contractors.

Requiring by law that enforcement standards be jointly administered by two totally separate agencies is unrealistic and will only produce further confusion.

The Board recommends that the landscape exemptions remain in the bill, and points out that they are reasonable, they offer less regulation of the industry, and they greatly expand the number of people who can engage in landscape services without a registration requirement.

Attachment

cc: Representative James B. Ratliff

FME:pw



State of Arizona
BOARD OF TECHNICAL REGISTRATION

4889

FOR ARCHITECTS, ASSAYERS, ENGINEERS, GEOLOGISTS, LANDSCAPE ARCHITECTS AND LAND SURVEYORS
1645 W. JEFFERSON, SUITE 315 • PHOENIX, ARIZONA 85007 • (602) 255-4053

PROPOSED AMENDMENT TO H.B. 2115 (As Amended)

Page 8, lines 28 through 31 - Strike paragraph #6, lines
28 through 31 entirely.

Page 8 - Renumber paragraph 7 (Amendment) to conform.