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chool of Engineering, Tennessee Polytechnic  
stitute, Cookeville, Tenn.

Virginia—L. R. Quarles, dean, School of En  
gineering, University of Virginia, Charlottes  
e, Va.

## Region V

Chairman—G. P. O'Connell, assistant man  
ager, Educational Relations, General Motors  
Corporation, 3044 W. Grand Blvd., Detroit 2,  
Mich.

Indiana—C. W. Kronmiller, manager, Gen  
eral Purpose Trans. Engineering Subsection,  
General Electric Company, 1635 Broadway,  
Wayne, Ind.

Kentucky—R. E. Shaver, dean, College of  
Engineering, University of Kentucky, Lexing  
ton, Ky.

Michigan—Glenn Coley, Engineering Soci  
ety, 100 Farnsworth, Detroit 2, Mich.

Ohio—R. P. Stock, B. F. Goodrich Com  
pany, Akron 18, Ohio

West Virginia—R. B. Johnston, P. O. Box  
12, Charleston 21, W. Va.

## Region VI

Chairman—A. B. Drought, dean, engineering  
department, Marquette University, 1515 W.  
Wisconsin Ave., Milwaukee 3, Wis.

Illinois—J. E. Harrington, 910 Lake Shore  
Dr., Chicago 11, Ill.

Iowa—Prof. H. M. Black, Iowa State Uni  
versity, Ames, Iowa

Minnesota—W. W. Davis, Box 63, Route 2,  
Excelsior, Minn.

Missouri—W. E. Bryan, secretary, Engineers  
Club of St. Louis, 4229 Lindell Blvd., St.  
Louis 8, Mo.

Nebraska—Merk Hobson, dean, College of  
Engineering, University of Nebraska, Lincoln,  
Nebr.

North Dakota—F. C. Mirgain, North Dakota  
State College, Fargo, N. Dak.

South Dakota—M. L. Manning, dean, School  
of Engineering, South Dakota State College,  
Brookings, S. Dak.

Wisconsin—W. G. Murphy, College of En  
gineering, Marquette University, 1515 W. Wis  
consin Ave., Milwaukee 3, Wis.

## Region VII

Chairman—Robert Matteson, California Re  
frigeration Corporation, Box 1627, Richmond,  
Calif.

Arizona—Americo Lazzari, consulting engi  
neer, 4323 N. 14th Ave., Phoenix, Ariz.

California, Northern—D. O. Horning, Col  
lege of Engineering, University of California,  
Berkeley, Calif.

California, Southern—A. M. Whistler, Fluor  
Corporation, 2500 S. Atlantic Blvd., Los An  
geles 22, Calif.

Idaho—Prof. D. H. Moser, head, engineer  
ing department, Northern Idaho Junior Col  
lege, Coeur d'Alene, Idaho

Montana—E. W. Schilling, dean, College of  
Engineering, Montana State College, Bozeman,  
Mont.

Nevada—H. B. Blodgett, dean, School of  
Engineering, University of Nevada, Reno, Nev.

Oregon—A. A. Osipovich, research and de  
velopment engineer, BPA, 4303 S. E. Knapp  
Ave., Portland 6, Oreg.

Utah—G. K. Borg, head, department of civil  
engineering, University of Utah, Salt Lake  
City, Utah

Washington, Eastern—R. E. Landerholm,  
Landerholm, consulting engineers, 220  
Hutton Bldg., Spokane 4, Wash.

Washington, Western—Prof. D. C. McNeese,  
General engineering department, University of  
Washington, Seattle 5, Wash.

## Region VIII

Chairman—J. G. McGuire, assistant dean,  
School of Engineering, Texas A. & M. Col  
lege, College Station, Texas

Arkansas—Prof. J. L. Imhoff, head, depart  
ment of industrial engineering, University of  
Arkansas, Fayetteville, Ark.

Colorado—H. E. Prater, 2001 S. Madison  
St., Denver 10, Colo.

Kansas—K. E. Rose, head, department of  
mining & metallurgical engineering, University  
of Kansas, Lawrence, Kans.

Louisiana—Prof. W. H. Carter, 865 Dubois  
Dr., Baton Rouge 8, La.

New Mexico—M. A. Thomas, dean, Col  
lege of Engineering, New Mexico State Uni  
versity, University Park, N. Mex.

Oklahoma—M. R. Lohmann, dean, College

of Engineering, Oklahoma State University,  
Stillwater, Okla.

Texas—Col. T. C. Green, executive secre  
tary, Texas State Board of Registration for  
Professional Engineers, 308 W. 15th St., Austin  
1, Texas

Wyoming—Prof. R. A. Morgan, assistant  
dean, College of Engineering, University of  
Wyoming, Laramie, Wyo.

## Outside Continental U. S.

Canada—Roger Lessard, Ecole Polytechnique,  
Montreal, Quebec

Alaska—Prof. Charles Sargent, dean of faculty,  
University of Alaska, University, Alaska

Hawaii—Prof. B. M. Harloe, College of Engi  
neering, University of Hawaii, Honolulu 14,  
Hawaii

# AIEE and IRE Boards of Directors Formally Extend Areas of Joint Collaboration

PROGRESS continues toward the full realization of the stated objectives of the Boards of Directors of the Institute of Radio Engineers (IRE) and AIEE formally to extend the areas of collaboration in the interests of greater efficiency in the service of the profession.

Reciprocal membership admission privileges have been established, and a Joint AIEE-IRE Standards Committee with broad authority has been organized. A joint committee, with special competence in engineering education, is at work on the problem of further co-ordinated services to students.

Such collaboration is not new in the relations of the two Institutes. Joint sponsorship of more than a dozen conferences and symposia annually, and the sharing of responsibility for more than 120 student branches have demonstrated a capacity to work together effectively.

AIEE members, at least those who read *Electrical Engineering*, have noted the latest developments in the 1960 issues of August, page 684; October, page 858 (B40.011e); December, page 1061; and January 1961, page 90. IRE members, all of whom doubtless read at least the excellent "Poles and Zeros" page of their *Proceedings*, conducted by Dr. Ferdinand Hamburger, Jr., himself an outstanding "collaborator" (IRE editor, AIEE Instrumentation Division chairman), have the story up to that date in the December 1960 issue, page 1949.

## Membership Privileges

Reciprocal membership admission privileges as provided in the AIEE Bylaws, effective January 1, 1961, are as follows: "A member of the Institute of Radio Engineers, by virtue solely of his qualifications submitted to that Society, may join AIEE in an equivalent grade of membership, up to, but not including Fellow, without payment of entrance fee. The basic equivalent grades shall be understood to be as follows:

| AIEE             | IRE           |
|------------------|---------------|
| Member           | Senior Member |
| Associate Member | Member        |
| Affiliate        | Associate     |

## Student Branches and Members

The student problem is a good deal more complex and not so readily solved by mere concurrence of the Boards of Directors of the two Institutes. The Branches are autonomous organizations subject also to the discipline of their colleges and universities. Joint Branches were readily accepted 10 years ago and have operated successfully and grown in favor since. Now the question is whether there are ways to consolidate and simplify the organization and the program. Working on that problem is a joint committee of which the AIEE contingent is headed by D. E. Garr, chairman of the AIEE Student Branches Committee. With

By agreement between the AIEE Board of Examiners, Bartow Van Ness, chairman, and the IRE Admissions Committee, J. L. Sheldon, chairman, the practical result is that the applicant who is a member of one society need give neither references, nor his professional record, nor pay a fee when applying for membership in the equivalent grade in the other. Time and expense is thus saved for both the applicant and the society. The Fellow grade is, of course, not available by application in either society. (See *Electrical Engineering* January 1961, page 90)

## Joint Standards Committee

The AIEE-IRE Joint Standards Committee, with five voting members from each Institute plus nonvoting chairman, vice-chairman, and staff, is empowered by the respective Boards "to approve, jointly in the names of the societies, such standards as it determines, on its own cognizance, are suitable for joint promulgation." The voting members of the committee, appointed by IRE Standards Committee Chairman C. H. Page, are M. W. Baldwin Jr., chief of delegation; J. G. Kreer Jr.; R. L. Pritchard; P. A. Redhead; and H. R. Terhune. AIEE Standards Committee Chairman J. P. Jordan named the following: H. P. Westman, chief of delegation; Hendley Blackmon; J. A. Goetz; G. E. Schall; and A. C. Sheckler.



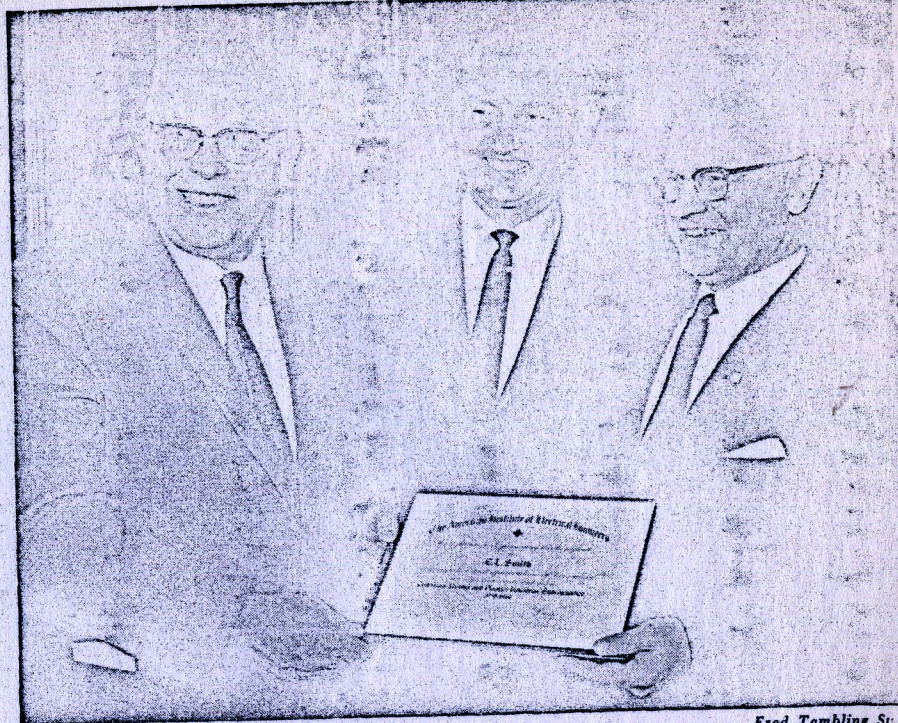
Mr. Garr are W. R. Grogan, S. R. Warren, Jr., and G. G. Wilson. Dr. J. D. Ryder, past-president of IRE, leads the IRE half of the committee. The other IRE members are J. F. Reintjes, T. F. Jones, and R. E. Nolte.

The present program of expansion of formal collaboration had its beginning in conversations between Pres. L. F. Hickenell of AIEE and Pres. D. G. Fink of IRE. These talks led to the appointment of a Task Group on which IRE was represented by Mr. Fink, Dr. Ryder, and Haraden Pratt. The AIEE delegation included W. S. Hill, G. H. Brown, E. I. Green, and L. C. Holmes. This Task Group developed the recommendations culminating in the membership and standards actions, and the setting up of the present committee on student affairs.

## Akron District, NSPE Meets with Akron Section, AIEE

The Akron District, National Society of Professional Engineers (NSPE), met with the Akron Section, AIEE, on December 13 at the University Club of Akron, Ohio.

W. H. Chase, vice-president, District 14, AIEE, and H. T. Borton, NSPE director from Ohio and past president of the Ohio Society of Professional Engineers, addressed the meeting on the topic, "Organizing the Engineering Profession To Achieve Unity." Mr. Chase is a vice-president of Ohio Bell Telephone Company at Cleveland. He was the recipient of the 1960 "Engineer of the Week" award for his outstanding contribution to engineering and civic affairs in Northeastern Ohio. Mr. Borton is president of the Osborn Engineering Company in Cleveland.



Fred Tambling St.

A CERTIFICATE of appreciation was presented to E. L. Smith (right) of Akron by W. H. Chase (left), AIEE vice-president, at the December 13 meeting of the Akron Section held in the University Club of Akron. E. F. Huston (center) presided. Mr. Smith, chief electrical engineer, Firestone Tire & Rubber Company, was honored for his past leadership as chairman of the AIEE Rubber and Plastics Industries Committee.

C. H. Fleming served as moderator for the Unity Talks. E. F. Huston, chairman of the Akron Section, presided at the meeting.

Prior to the talks, E. L. Smith, chief electrical engineer, Firestone Tire & Rubber Company, was presented a certificate of recognition and appreciation by Mr. Chase. Mr. Smith was honored for

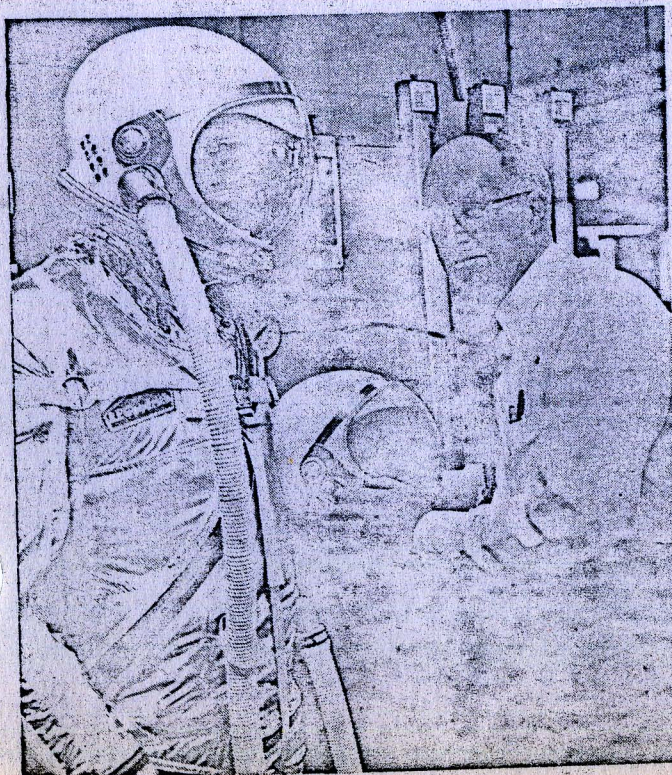
his past leadership as chairman of the AIEE Rubber and Plastics Industries Committee. The purpose of this committee is to stimulate and initiate engineering papers and to promote standard and recommend practices in the electric engineering field of the rubber and plastics industries. In accepting the certificate Mr. Smith pointed out that the open discussions and the stimulating exchange of information, ideas, and experiences in technical committee work with leading engineers in the industry bring great benefits to the individuals and their employers. He urged the younger members in the audience to take full advantage of any opportunities they may receive to participate actively in AIEE work.

D. A. Nordstrom, general manager Oehler Steel Company, was presented a past president pin by Mr. Borton at the meeting for his services with the Akron District, NSPE.

## High-Altitude Flying Suits Studied at Akron Section Meeting

R. S. Colley of the B. F. Goodrich Aviation Products Company spoke on "Suiting Man for Space" at the November 8 meeting of the Akron Section, AIEE.

A recognized expert in his field, Mr. Colley discussed the history of high altitude flying suits from the first suit that he designed for Wiley Post in 1934 to the suits presently in production at his company for the Astronaut Program. He also considered the problems that must be overcome to design space suits.



**SPACEMEN'S TAILOR**  
R. S. Colley (right), an engineer of the B. F. Goodrich Aviation Products Company, makes some adjustments on a developmental model of the suit that will make America's astronauts the best dressed men in space. Mr. Colley, who worked with globe-girdling aviator Wiley Post to create the world's first high-altitude pressure suit in 1934, is a leading authority on space suit design. B. F. Goodrich also makes high-altitude suits for the Navy and Air Force.

Nominations for 1961

The AIEE in the Boston New York 1961, during the 10th AIEE membership representatives are upon to select.

Member November 19

Representatives Districts:

1. S. P.
2. Eastman
3. D. R.
4. W. J.
5. S. N.
6. E. C.
7. Ken
8. C. A.
9. J. H.
10. Re
11. D. J.
12. D. J.

See Com Manual, Engineers

NIAGA Engineering meeting Clerks

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