

# ELECTRICAL ENGINEERING®

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## Board of Directors cuts 1976

budget, then considers 1977 dues levels at May meeting

Financial pressures were at the top of the agenda at the May 11-12 meeting of IEEE's Board of Directors, held during ELECTRO in Boston, Mass. Significant actions taken by the Board included a mid-year readjustment of 1976 budget allocations and a direction to the IEEE Budget Committee to provide a balanced budget for 1977 without upping the general dues.

Cuts in the 1976 budget were deemed necessary to counter a predicted \$427,000 income shortfall by year's end. The estimate is based on: (1) a projected 13 percent (\$200,000) shortfall in income from dues of IEEE members above the Student grade; (2) an expected deficit in budgeted Standards income of \$127,000; (3) a \$10,000 shortfall in corporate Committee support; and (4) the need to maintain a \$90,000 contingency fund that would insure the Institute against financial uncertainties that can crop up in areas not wholly within the Board's control. The prediction of a \$427,000 total shortfall for 1976, coming on the heels of a dues increase and an 8-percent staff reduction at Headquarters, is attributed to over-optimistic projections of income: not accounted for was the 15 percent income reduction arising from special membership plans for the unemployed, Student, and Life member.

Reductions for 1976 approved by the Board at its May meeting were: \$100,000 in publishing, \$17,000 in Educational Activities, \$127,000 in Technical Activities, \$35,000 in Regional Activities, \$25,000 in Administrative Services, and \$20,000 in Corporate Activities. This left the Board \$100,000 short of its \$427,000 goal and the Board then delegated the Executive Committee the power by unanimous consent to make further

cuts as appropriate.

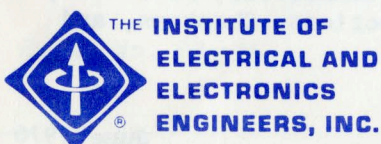
In light of 1976's budgetary difficulties, IEEE Treasurer Burkhard Schneider views 1977 as a potentially even more trying year. At the May Board meeting, Treasurer Schneider presented the following alternatives for 1977 to the Directors: "(1) Operate with the present dues structure, maintain present programs, operate with a deficit budget; (2) Maintain the present dues structure, reduce programs, operate with a balanced 1977 budget; (3) Increase dues by \$5, operate with a balanced 1977 budget; (4) Increase dues \$5 by transfer from the U.S. Regional Assessment of \$5 per member, operate with a balanced 1977 budget."

The sense of the Board, pending a special September meeting, was to hold the line on dues, while maintaining the current level of anticipated \$300,000 needed to cover the cost of inflation in 1976 program costs. Says General Manager H. A. Schulke, Jr., "Each and every Institute activity must be reassessed in terms of the services it provides the member and the costs to the member of that service. Difficult tradeoffs will have to be made in the coming months."

## RAB NEWS

A first "sunshine" meeting was held in Boston, Mass., on May 13, by the Regional Activities Board when it opened its deliberations to the general membership. Only a handful of non-voting observers attended, but a number of issues of great importance to the membership were discussed. These included: the possibility of raising Student member dues for 1977, the recommendation of the IEEE Executive Committee that RAB cut its 1976 expenditures, and a series of proposals

Ford signs National Science, Engineering, and Technology Policy and Priorities Act creating Presidential science advisory office--see ivory insert, pp. 2C-2D.



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to reorganize representation on the Board of Directors to conform to a "one man, one vote" philosophy.

Although few interested members attended this meeting--held during ELECTRO--it was the position of the RAB that all Institute meetings, including those of the Board of Directors and Executive Committee, should be open to the membership, subject to unusual circumstances when a meeting chairman might consider it prudent to close a portion of a meeting. This proposal has been officially put to the Board of Directors for its consideration.

New procedures for charging back Section stationery, supplies, and associated mailing costs have been approved by RAB. This month's mailing to Section Chairmen will outline in detail the new procedures.

#### STUDENT NEWS

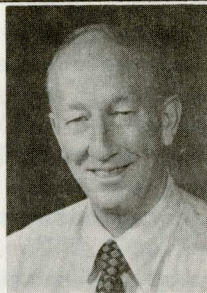
A student dues increase appears to be inevitable. Having increased only once in 13 years, while the general dues levels have been upped twice, the level of dues subsidy for Student members has been receiving close scrutiny by the Student Activities Committee, the Regional Activities Board, the Membership Development Committee, and the IEEE's Board of Directors. Recognizing the serious state of the Institute's finances--and after considerable debate--RAB and the Membership Development Committee recently voted to recommend to the Board of Directors a \$4 hike in Student dues. Further, the Technical Activities Board has approved a \$1 increase in Group/Society fees for Student members. Compared to the dues and fees charged to a higher grade member (up to \$45 in dues and an average of \$6.50 in fees for membership in any one Group or Society), the new Student levels, if approved, would still represent a considerable subsidy on the part of the Institute as a whole--and therefore a major inducement to Student membership. A final decision on these matters will be taken by the Executive Committee of the Board of Directors within the next two months.

Another active proposal before the Board

is to increase support to Student Branches through increased rebates. It is felt that this would be an asset in membership promotion. And finally, see the forthcoming issue of the Student Newsletter for the first in a series of articles designed especially for Student members and entitled "A Career and Life Planning Program."

Join before an increase and get a bargain as well. Student membership sale days continue until August 31. Until then, dues for the balance of 1976 will be only \$4 and new members, acting now, can join a Group or Society for \$1 extra while subscribing to Proceedings for only \$3.50. For membership information, contact Robert Asdal at Headquarters.

Profile:  
Robert M. Saunders



IEEE's 1976 Vice President of Regional Activities is Bob Saunders. A Fellow of the Institute, Professor Saunders is on the electrical engineering faculty of the University of California at Irvine, where he helped organize the School of Engineering in 1964 and served as its first Dean until 1973. Prior to coming to Irvine, he had been associated with the University of California at Berkeley since 1946. He was chairman of the Electrical Engineering Department there from 1959-1963. A holder of the B.E.E. and M.S. degrees from the University of Minnesota and a doctor of engineering degree from the Tokyo Institute of Technology, Prof. Saunders has been a consultant to General Motors Research Laboratories, General Electric's Apollo Support Department, Honeywell Corp.'s Aeronautical Division, the Rohr Corp., and currently Aerospace Corp. He has been active in Institute activities for many years, most recently as a member of the Board of Directors since 1973 and of the Educational Activities Board (1971-1974).

This is the third in a series of profiles on IEEE officers.

E.E. is sent without cost beyond dues to officers of IEEE Boards, Committees; Divisions, Societies, Groups, Conferences; Regions, Councils, Sections, Subsections, Chapters, and Branches. Second-class postage is paid at Piscataway, N.J.



# TECHNICAL ACTIVITIES BOARD

## Guidelines for Committee Operations

The following new Policy Statement was approved by the IEEE Board of Directors at its May 11-12, 1976, meeting. The action originated within TAB. Although there may be implications for committees of other IEEE entities, other major Boards have yet to consider how it might affect their operations.

### 8.19 - Administrative Procedures for Technical Activities

#### A. Agenda and Minutes of Meetings

The successful achievement of IEEE objectives will be advanced by establishing certain administrative guides to be implemented by IEEE's members and subdivisions. In this regard, issuing agenda and maintaining and reviewing minutes of IEEE meetings will help to insure that, consistent with IEEE's decentralized structure, lines of communication among members are maintained, topics for discussion are clearly defined, and sufficient written records are preserved for future reference and needs.

1. It is the policy of IEEE that, whenever practicable, an agenda listing the topics for discussion shall be sent to the members, at a reasonable time prior to each meeting (other than formal conferences, symposia or conventions), of an IEEE technical Board, Committee, Panel or other working assembly of a Group, Society or other IEEE technical organizational unit, or, of a joint intersociety unit in which IEEE formally participates or, in any event, shall be distributed at any such meeting by the Secretary of the particular body or by a designated member of the particular body.
2. At each meeting (other than formal conferences, symposia or conventions) of an IEEE technical Board, Committee, Panel or other working assembly of a Group, Society or other IEEE technical organizational unit, or, of a joint intersociety unit in which IEEE formally participates, minutes of the meeting shall be maintained by the Secretary of the particular body or by a designated member of the particular body.

Minutes shall record concisely attendance at the meeting, the substance of all discussions and any actions taken, but need not be in the nature of a verbatim transcript. Maintenance of record copies of the minutes and distribution and review of these minutes shall be carried out by each IEEE entity pursuant to such rules and procedures as are adopted by each body.

B. Organization of Technical Working Groups and Committees

To achieve the technical objectives of IEEE demands that diverse resources be employed toward the resolution of technical issues. It is the belief of IEEE that the Institute's technical goals can be furthered most productively through the intelligent utilization of the talents and experience of various individual members serving in their separate, individual expert capacities on appropriate IEEE Committees or working assemblies in IEEE Groups and Societies. No member should construe his position to be that of a representative of his employer.

1. Therefore, it is the policy of IEEE that the membership of each committee, subcommittee or working assembly of an IEEE Group or Society shall reflect various factors deemed appropriate by such IEEE entities, (e.g., geographical balance, special expertise, etc.) and shall include a reasonable proportion of persons (one or more) employed by supplier, user and/or other involved organizations in each industry that, in the judgment of each Group or Society, will be affected by or concerned with any subject, except solely administrative or managerial matters, within the stated scope of, or properly to be considered at any meeting of, such committee, subcommittee, or working assembly, consistent with its size.
2. No meeting of any of the above committees, subcommittees, or working assemblies shall convene where the interests associated with the persons in attendance are solely those of either supplier or user organizations.



# United States Activities Board

IEEE PLAYS KEY ROLE IN

## PASSAGE OF SCIENCE POLICY LEGISLATION

On Tuesday, May 11, President Gerald Ford signed into law the National Science, Engineering and Technology Policy and Priorities Act (PL 94-282), which creates an Office of Science and Technology Policy in the Office of the President. Passage of this legislation represents a victory for the engineering community. IEEE, along with other major engineering societies, played a key role in working for passage of this Bill which recreates the position of Science Adviser to the President, a position abolished several years ago by the Nixon administration.

Invited to attend the bill signing ceremony in the White House Rose Garden were IEEE President, Joseph K. Dillard; IEEE Vice President, Professional Activities, James H. Mulligan, Jr.; and United States Activities Board Vice Chairman, Hans C. Cherney.

Commenting on this landmark legislation, IEEE President Dillard stated, "Now, more than at any other time in the history of our Nation, the offices of government need the counsel of engineers and scientists to provide the President with objective advice on the technological basis for the solution of our growing problems in energy, transportation, improving environmental conditions as well as enhancing the general economic well-being of the country."

The main provisions of the new legislation call for the recognition of the profound national importance of science, engineering and technology; the establishment of the Office of Science and Technology Policy (OSTP) in the Executive Office; the creation of an Intergovernmental Science, Engineering and Technology Advisory Panel; the establishment of a Presidential Committee on Science and Technology; and authorization of a Federal science, engineering and technology survey to examine and analyze the overall Federal effort in this area; and the establishment of a council composed of the OSTP Director and representatives of other agencies to determine short and long-term policies and priorities.

Of particular importance to IEEE members and the engineering community are the provisions of PL94-282 that were drafted by IEEE in support of our professional activities and in-



# United States Activities Board

DEMOCRATS HEAR ENGINEERS CALL

FOR NATIONAL ENERGY POLICY

The IEEE and seven other leading engineering groups testified before the Platform Committee of the Democratic National Committee on May 1 and called for the greater utilization of the nation's engineering and scientific manpower in the formation of national policy. John J. Guarrera, past president of the IEEE, spoke on behalf of the Institute and urged the adoption of a science and engineering plank in the Democratic Party Platform.

Particularly critical of the trend toward over-legislation and over-regulation by the Federal Government in the energy area, Guarrera called for the development of a comprehensive, long-term national energy program to reverse the present trend of legislating piecemeal solutions to energy problems.

Guarrera outlined for the Committee a four-part national energy program that is supported by all seven of the engineering groups and he discussed some "common misconceptions" about our current energy situation.

First, Guarrera warned that the nation's ability to maintain its current level of productivity, and hence its leadership role, is at stake if national policy is based on the belief that conservation is a solution to our energy problems. In spite of rigorous conservation measures, experts predict the U.S. will consume more energy in the next 25 years than was consumed in its entire history. For this reason, the aggressive development of existing and new sources of energy is an essential element in a long-term energy program.

Second, since the only significant energy sources available for the remainder of this century are coal, oil, natural gas, and uranium, incentives must be provided to encourage their development and use. Public debate is escalating concerning the advantages and disadvantages of accelerating coal production and expanding our nuclear generating capacity. Given the disappointing discovery trends for additional supplies of oil and natural gas, said Guarrera, the only real alternatives to further exploiting our coal resources and nuclear energy is the development of synthetic energy sources.

Third, there is a misconception surrounding the potential of alternate energy sources such as solar, geothermal, wind, tidal, and ocean currents. Regardless of the efforts made

cluded in the bill as signed by the President on May 11. Key among these sections are:

Sec. 101(a)(5) - "the manpower pool of scientists, engineers, and technicians, constitutes an invaluable national resource which should be utilized to the fullest extent possible; ..."

Sec. 102(a)(4) - "The recruitment, education, training, retraining, and beneficial use of adequate numbers of scientists, engineers, and technologists, and the promotion by the Federal Government of the effective and efficient utilization in the national interest of the Nation's human resources in science, engineering, and technology...."

Sec. 102(b)(5) - "The Federal Government should support and utilize engineering and its various disciplines and make maximum use of the engineering community, whenever appropriate, as an essential element in the Federal policymaking process...."

Sec. 205(a)(4) - "encourage the development and maintenance of an adequate data base for human resources in science, engineering, and technology, including the development of appropriate models to forecast future manpower requirements, and assess the impact of major governmental and public programs on human resources and their utilization;...."

Sec. 209(a)(6) - "the existing and projected scientific and technological resources, including specialized manpower, that could contribute to the resolution of such problems;...."

Sec. 303(a)(11) - "maintenance of adequate scientific and technological manpower with regard to both quality and quantity;...."

Passage of this legislation once again places a science and engineering advisor in the highest levels of national policy making. This advisor will provide scientific, engineering, and technological input for national initiatives. This legislation represents a victory for the engineering community who cooperated effectively to achieve passage of this landmark legislation.

to develop these sources of energy, experts predict they will provide no more than 2 percent of our energy requirements by the turn of the century.

Finally, Guarrera expressed the concern of the engineers for recognition by our national policy-makers that the present emphasis on environmental concerns must be tempered by the needs for industrial and economic growth. Some compromises will have to be made if the U.S. is to achieve energy self-sufficiency.

On behalf of the engineers, Guarrera called on the National Democratic leadership to include within the Democratic Platform a commitment to reverse the present trend of legislating solutions to energy problems and begin to develop a comprehensive national energy program. On behalf of the engineers, Guarrera urged that the following four pledges be incorporated into the Democratic Platform as an expression of commitment to solve the energy problem:

- We pledge to support appropriate legislation and exert executive initiative to utilize fully the technological potential of engineers and scientists in solving national problems.
- We pledge to establish a comprehensive and coordinated national energy program designed to reduce the Nation's dependence on foreign sources of fuel.
- We pledge to support a policy emphasizing less regulation by the Federal Government and one reforming those existing regulatory procedures which have proved unworkable.
- We pledge support of policies and procedures to increase Federal funding of research and development, with an immediate funding goal of at least 3 percent of GNP.

In closing Guarrera called for a closer working relationship between the scientific and engineering community and the Administration at the policy-making level to solve some of the Nation's most critical national problems.

Joining Guarrera in his presentation before the Democratic Platform Committee in Denver, Colorado, on May 1, 1976, was James C. Hughes, Director of Legislative and Government Affairs of the National Society of Professional Engineers. Other engineering societies joining IEEE and NSPE in supporting this science and engineering plank were the American Society of Mechanical Engineers, American Institute of Chemical Engineers, American Institute of Industrial Engineers, American Society for Engineering Education, American Society of Civil Engineers, and Society of Manufacturing Engineers. Together these societies represent over half a million engineers.

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# continuing education services

## An Agenda for Action

Of all the challenges now before us, the greatest is the demand for education. Every Education Chairperson is constantly "Under the Gun" to organize and schedule courses to fit their member needs.

It may interest you to know that the Educational Activities Board is constantly reviewing its objectives and goals and examining better education programs. We are concerned. And, with the assistance of our Groups/Societies, we are designing courses to supply the technological advances that our members need to enhance not only their immediate competency but their long-term needs.

We have developed an impressive list of courses to satisfy local Section needs. I invite you to contact me to discuss a program for your particular need.

### Fall Program

#### Two Concepts:

Concept # 1 - A cooperative effort between the Section and the Institute in which the participating Unit assumes no financial risk but shares in the net surplus generated. The bulk of the support activity is performed by the Headquarters staff. The net surplus sharing is:

- 30% - Educational Activities Board
- 20% - Group/Society evaluation
- 50% - Sponsor Section

Concept # 2 - A unique plan that provides the participating Section with an instructor and course text/notes. The unit registration cost is appreciably lower than concept # 1 thereby bringing the breakeven point to a more practical level. Section Leaders can either price the course to breakeven or to produce a surplus. All surpluses belong to the sponsoring section. The sponsoring Section, however, has the responsibility of performing the remaining support activities such as designing, producing, and mailing of the course flyers; generating a mailing list; promotion; certificate preparation, registration; etc.

### Lead Time

In order to properly satisfy the myriad of required arrangements to successfully promote your course, we usually request a lead period of 4- to 5-months. If you are planning a Fall 1976 program, it is important that you abide by the following schedule:

<u>decision in</u>	<u>schedule for</u>
June	late Sept/October
July	late Oct/November
August	early December

I invite you to review the course titles on the other side of this sheet and to call me. We will discuss how we can develop a program for your Section this Fall.



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

FOR ADDITIONAL INFORMATION CONTACT VINCENT J. GIARDINA  
445 HOES LANE, PISCATAWAY, NEW JERSEY 08854  
(201) 981-0060 EXT. 174

## COMPUTER AND INFORMATION SCIENCES

- .CAMAC
- .Introduction to Microprocessors
- .Microprocessors Seminar - 2 Days
- ."Hands On" Five Day Microprocessor
- .Computer Aided Filter Design
- .Electronic Information Processing:  
Technical Drive & Physical Implementation
- .Minicomputers - 2 Days

## ELECTRICAL AND ELECTRONICS ENGINEERING

- .Infrared Testing - 2 Days

## BUSINESS AND MANAGEMENT

- .Communicate for Results
- .Converting Your Ideas Into a Profitable Business
- .How to Analyze and Solve Organizational Problems
- .How to Start a Business and Make It Grow
- .John C. Crystal's Life/Work Planning Process
- .Managing Your Career Assets

## COMMUNICATIONS

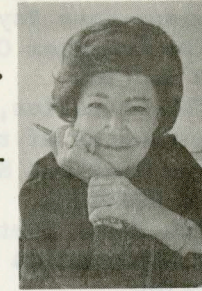
- .Engineering Considerations for Microwave Communication Systems - 3 or 5 Day
- \*.Digital Communications

## POWER

- .Power Systems - Planning
- .Power Systems - Relaying
- .Introduction to Solid State Power Electronics - 2 Days
- .Protection and Grounding of Distribution Systems
- .Fundamentals of Application of Protective Relays
- \*.Symmetrical Components and Their Applications in Power Systems Engineering
- \*.Design and Operation of EHV Transmission Lines
- \*.Transient Phenomena in Electric Power Systems
- \*.Voltage Transients and Insulation Coordination

\*Courses presently under review, but should be available for scheduling in the Spring of 1977.

Corporate Services: HQ  
haven for Boards and Comms.



One byproduct of the major reorganization of the Headquarters staff devised by General Manager H. A. Schulke and initiated in January of this year (EE, April) was the formation of a new HQ entity: the Corporate Services Unit. Appointed to manage the Unit was Emily Sirjane, formerly Manager of Field Services and long an IEEE staffer who probably knows more about the Institute's inner workings than anyone else at Headquarters. In her new capacity, Ms. Sirjane provides staff support for the Board of Directors and the Executive Committee. In addition, she is the staff coordinator for the activities of the Awards Board and nearly all of IEEE's Standing Committees.

Assisting Ms. Sirjane in this mammoth task are: Una Lennon, in charge of IEEE's awards; Audrey van Dort, responsible for intersociety relations; Dolores Riker, mainstay of the Fellows program; and Veronica Lewis, whose duties span membership development, nominations and appointments, and election activities.

This is the first in a series of items detailing the key Headquarters functions.

## TAB NEWS

The Affiliate Plan is to be modified by order of the Executive Committee at its May 10 meeting. Eliminated will be the 5-year rule. However, detailed procedures have yet to be developed for this modification, and editors of IEEE bulletins and newsletters are advised to delay publication of the matter pending specific information from Headquarters. EE has been promised such details in time for its August issue.

An IEEE Affiliate is a nonmember who has been admitted by a Group or Society to some of the rights and privileges of its activities, including receipt of Group/Society publications, notice of meetings, and participation in technical committees. An Affiliate must have attained professional status in a field outside IEEE's purview

and can belong to no more than one Group or Society. At time of writing, there were 1599 IEEE Affiliates.

Reminder: See the green TAB insert, pp. 2A-2B, for important announcements.

## PUB NEWS

Who's to lead the Institute? This question will be put before the membership through Spectrum's August coverage of the candidates for IEEE's 1977 offices. Each aspirant has been invited to submit a statement plus (new this year!) a rebuttal to the statements of his opponents for office. With as many as three aspirants for the Presidency, this year's election promises to provide more controversy than any election in years. Consequently, EE hopes its readers will study the candidates' statements with unusual care.

The precarious state of IEEE's finances (see p. 1) will be addressed by Treasurer Burkhard Schneider in a July Spectrum interview.

The twenty-fifth anniversary of Proceedings special issues will be celebrated this September with the publication of a special issue on the history of electrical engineering. It was in October 1951 that the Proceedings first devoted an entire issue to a single topic--color television. The special issues that followed--transistors, UHF, computers, etc.--have become classics. A total of 87 have now been published on subjects ranging from the technology of health services to the theory of plasmas, and from ground transportation to radio astronomy. This tradition of regularly covering subjects of special import to the engineering profession in a comprehensive manner for the general reader will be continued in the future by Proceedings Managing Editor Reed Crone.

## USAB NEWS

A significant reorganization of IEEE's Washington, D.C., office has taken place. USAB Vice Chairman Hans Cherney of IBM has assumed the post of Acting Chief of the office. Assisting Mr. Cherney is John M. Kinn, formerly a consultant to the office but now full-time Chief Program Manager. Leonard B. Farrell, who has been Director of the Washington Office, will concentrate his energies

## USAB NEWS (cont'd)

on USAB's industry and government relations programs as Director of Government and Industry Relations.

Reminder: USAB has provided two important inserts in this issue -- see pp. 2C-2F.

### AWARDS

A new IEEE Field Award has been established to recognize "outstanding achievement in the field of information processing." Called the Emanuel R. Piore Award, the recipient will win a \$2000 cash prize, a medal, a certificate, and a one-year grant of \$2500 to support international travel for professional purposes. Sponsored by IBM, the new award honors Emanuel R. Piore (LF), a member of the Science Advisory Committee and the IBM Advisory Board. Nominations for the award are due August 1, 1976--forms and further information can be obtained from Una Lennon at Headquarters.

Final date for nominations for the W. R. G. Baker and Browder J. Thompson Memorial Prize Paper Awards is September 15--see Spectrum, Nov. 1975, p. 19, for further details; forms available from Una Lennon.

The final presentation of the Mervin J. Kelly Award is being made to Alton C. Dickieson at the International Conference on Communications in Philadelphia, Pa., on June 15.

### HAIL—AND FAREWELL

#### Established:

The Education Chapter of the Hamilton Section

The Engineering in Medicine and Biology Chapter of the Oakland-East Bay Section

The Joint Acoustics, Speech and Signal Processing/Circuits and Systems/Information Theory/Control Systems Chapter (formerly the IT/CS Chapter) of the Southeastern Michigan Section

The Power Engineering Chapter of the Oakland-East Bay Section

The Computer Chapter of the Oakland-East Bay Section

The Acoustics, Speech and Signal Processing Chapter of the Oakland-East Bay Section

The Michiana Section (formerly, the South Bend Section)

The Joint Control Systems/Systems, Man, and Cybernetics Chapter of the Pittsburgh Section

The Engineering Management Chapter of the Nebraska Section

The Honduras Subsection of the Central America Section

The Korea Section

The Computer Chapter of the Delaware Bay Section

The Power Engineering Chapter of the Tucson Section

The Computer Chapter of the Huntsville Section

The Bangalore (India) Section (to encompass the states of Karnataka, Kerala, Tamil Nadu, and the Union Territory of Pondicherry)

The Bombay Section (to encompass the states of Andhra Pradesh, Gujarat, Madhya Pradesh, Maharashtra, and Rajasthan)

The Delhi Section (to encompass the states of Arunachal Pradesh, Assam, Bihar, Delhi and Union Territory of Delhi, Haryana, Himachal Pradesh, Jammu and Kashmir, Maniput, Meghalaya, Mizoram, Nagaland, Orissa, Punjab, Sikkim, Tripura, Uttar Pradesh, and West Bengal)

The All-India Council (to be composed of the Bangalore, Bombay, and Delhi Sections)

#### Dissolved:

The Joint Antennas and Propagation/Microwave Theory and Techniques Chapter of the Connecticut Section

The Electrical Insulation Chapter of the Chicago Section

The India Section (see reorganization above)

The Karnataka and New Delhi Subsections of the India Section (see reorganization above)

#### Centerfold inserts

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