IEEE Committee On Implications Of Technology Seeks Status as IEEE Society

The Committee on Social Implications of Technology (CSIT) of the Institute of Electrical and Electronics Engineers (IEEE) has launched a petition drive that it hopes will convert CSIT from its IEEE committee status into an IEEE Society.

CSIT, established by IEEE in 1972, has "played an important role in raising the level of discourse" in the area of technology's impact upon society, according to Committee Chairman

Stephen Unger.

Unger has gathered over 250 petitions to date supporting CSIT's request and is encouraged about the prospects for success. Although CSIT has by far surpassed the minimum 100 signatures needed for consideration of the petition by IEEE's Technical Activities Board (TAB), that number does not mean there will be automatic approval of the action, Unger cautions.

At the last TAB Operating Committee meeting in May, consideration of Unger's petition was tabled before any decision could be reached. TAB's Operating Committee will take up the motion again at its July meeting, and, if approved, the measure will be considered by the next TAB meeting—

also slated for July.

The next step would be consideration by the IEEE Executive Committee. Advocates for the new society generally state that CSIT is limited in effectiveness because of its current

status as a TAB committee.

"CSIT believes that, to do the quality work that is needed in this area, it must have access to the full range of activities and communications channels available to IEEE groups and societies," according to a CSIT statement.

The committee, which has published its quarterly "Technology and Society" newsletter for eight years, argues that one of the most important advantages of becoming a full-

fledged society is the ability to publish a refereed transactions.

The transactions, says Unger, would have the prestige to attract more and higher quality papers than a newsletter, and would serve as a journal for the many "excellent papers in the field that currently are unable to find a suitable vehicle for publication."

Past CSIT activities include giving awards to engineers for outstanding service in the public interest and the organization of several sessions at IEEE conventions ("Social Implications of Nuclear Power" and "Solar Energy: a Status Report").

CSIT also provided the impetus for IEEE to adopt a code of ethics and to set up a member conduct committee to enforce the code, said CSIT Secre-

tary Frank Kotasek.

TOS APTICIOS

-		
	PHILOSOPHICA	
	RISK & DEMOCRACY	3/80
	ET4. TRILEMONS	3/80
	EXP. NAT. OF ONE_ SCHINZWICE	#27 9/79
	E THICS	
	TEACHING FIELDER	#25
	ED6.	#22, #126
	ETH-SUPPORT	# 23
	ENERGY.	
	FELL- LETTER	#27
	BROWN 155 mont & FEBUTTAL	#27
	ENGLINEERS IN EN. CRISIS - CASAZZA	#24
	SOLAR EN. (PEDEL	#23
	NUCLEM POWER + PROME STARK	#2179
	INVIT. FOR PRO-NUCL ARTICLE	#27 3/79
	NUCL. POWER IN PERSE M. YOUNG	3/80
	PRO-NUCLUAR LETTERS! 3/80(5), 4/79	
	SOCIO-ECONORIE MODERLIN	#27
	Econonic Conv. (mainon)	#26
	TECH. FOR. UND. COUNTRIES	#24
	SALT II	#24
	NRC POLICY ON DISSENT	3/80
	CRYPT. + SE FREEDOM	#26
	SCHARANSKY	#23
	REVIEWS OF ELECTOR 77 SESSIONS	#20
	KILLIN FARENOL	#21
	CAMBIDATE VIEWS	#19

3757EM 3 EMG. 450C,	#18
SCHAKKUSKY	
PUBLIC POLICY + COMPUTERS	#17 3/77
LETTERS CORTKIN, SHEAT, ETC.	3/80
Letter Charles on Distance.	900
OLDER ARTICLES	
WIESMER	#4 9/73
Tech you and courties	11 11
BART CASE	44
ETHICS COINS	#5
BART BRIEF	#12
180 - Nuclean LETTERS: 3/40(5), 4/79	712
Conputer SECURITY	#12
NUCLEM FUSION #13 REBUTTON #14	
KIRBURG (LETTERS 16417)	#14
PROD. LIABILITY CHARACT	#15
B10-645 RM (1600)	#18
NUCLEHR FORUM	#10
PATENTS.	#6
FELL - LETTON	#27
ENERGY	

MAISA CH

both commen

ACHING FIRST PLAN

医 了科林55

Cal. (tr) of the con-

KISK & DEFECTE OF

In a Valence

432

77-

#27 9/79

2/80

1/80

To Subscribe to TECHNOLOGY AND SOCIETY

If you don't already subscribe to TECHNOLOGY AND SOCIETY, you can start a new subscription when you pay your IEEE membership dues for 1980. Just follow the instructions on page 2 of the Periodicals brochure you receive with your membership renewal notice.

If you have already sent in your 1980 IEEE membership renewal, but would now like to subscribe to Technology AND Society, please fill out this coupon and return, together with \$2.00 to the following address: (Please make payment in check to IEEE.)

IEEE Member Services IEEE Service Center 445 Hoes Lane Piscataway, NJ 08854

NAME		
ADDRESS		in a second
CITY	STATE	ZIP
IMPORTANT: Your IE	EE Membership No);
☐ Enter a subscr for 1980; paymen		DLOGY AND SOCIETY
☐ I am not now a m		would like to join.

To Subscribe to TECHNOLOGY AND SOCIETY

If you don't already subscribe to Technology AND Society, you can start a new subscription when you pay your IEEE membership dues for 1980. Just follow the instructions on page 2 of the Periodicals brochure you receive with your membership renewal notice.

If you have already sent in your 1980 IEEE membership renewal, but would now like to subscribe to Technology AND Society, please fill out this coupon and return, together with \$2.00 to the following address: (Please make payment in check to IEEE.)

IEEE Member Services
IEEE Service Center
445 Hoes Lane
Piscataway, NJ 08854

NAME			
ADDRESS	1		
CITY	STATE	ZIP	
IMPORTANT: Your IE	EE Membership N	o:	
□ Enter a subscr for 1980; paymen		OLOGY AND	SOCIETY
☐ I am not now a m		t would like	to join.

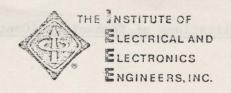
To Subscribe to TECHNOLOGY AND SOCIETY

If you don't already subscribe to Technology and Society, you can start a new subscription when you pay your IEEE membership dues for 1980. Just follow the instructions on page 2 of the Periodicals brochure you receive with your membership renewal notice.

If you have already sent in your 1980 IEEE membership renewal, but would now like to subscribe to Technology AND Society, please fill out this coupon and return, together with \$2.00 to the following address: (Please make payment in check to IEEE.)

. IEEE Member Services IEEE Service Center 445 Hoes Lane Piscataway, NJ 08854

NAME			
ADDRESS			
CITY	STATE	ZIP	
IMPORTANT: Your IEEE Membership No:			
☐ Enter a subscription to Technology AND Society for 1980; payment is enclosed.			
$\hfill \square$ I am not now a member of IEEE but would like to join. Please send information.			



JULY 9, 1979

TECHNICAL ACTIVITIES BOARD

COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY ROSTER - 1979

Mr. J. Malvern Benjamin (Chairman) CardiAssist Corporation 167 Old Belmont Avenue Bala Cynwyd, PA 19004 (215) 839-3252/3259

Dr. Stephen H. Unger (Acting Chairman) 229 Cambridge Avenue Englewood, NJ 07631 (212) 280-3107 or 3104 (201) 567-5923 HOME

Dr. R. J. Bogumil (Vice Chairman)
Mount Sinai School of Medicine
Department of Obstetrics and
Gynecology Annenberg
New York, NY 10029
(212) 864-5046

Mr. Gerald Rabow (Secretary) (WG/SEPT)
21 Berkeley Terrace
Livingston, NJ 07039
(201) 386-6510 OFFICE
(201) 992-4014 HOME

Dr. Norman Balabanian (Newsletter Editor) Electrical Engineering Department Syracuse University Syracuse, NY 13210 (315) 423-4401

Mr. Melvin N. Abramovich
P.O. Box 59
Garrett Park, MD 20766

Mr. J. S. Andresen
115 Field Point Road
Greenwich, CT 06830
(914) 696-7951

Dr. Carl Barus
Department of Engineering
Swarthmore College
Swarthmore, PA 19081
(215) 544-7900 Ext. 308

Mr. John W. Bryan 24 Cree Drive Forest Heights, MD 20021

Mrs. Vivian Carr
AT&T, Room 30-C1457
195 Broadway
New York, NY 10007
(212) 393-3998 OFFICE
(201) 229-3260 HOME

Mr. Hans C. Cherney
IBM Corporation
Dept. 402, Bldg. 002-2
Poughkeepsie, NY 12602
(914) 463-3694

Mr. David C. Cook (Division II Rep.) Code 6603C Naval Research Laboratory Washington, DC 20375 (202) 767-5692

Mr. Stephen Dobrow 31-40 56th Street Woodside, NY 11377

Ms. Virginia Edgerton 10 Park Avenue New York, NY 10016 (212) MU9-0137 OFFICE (212) 689-6200 Ext. 442 HOME

Dr. Peter D. Edmonds (Secretary, West Coast Subdivision) Stanford Research Institute 333 Ravenswood Avenue Menlo Park, CA 94025 (415) 326-6200 or 3366 Dr. Harold Fliesher IBM SPD Laboratories Dept. C-14, Bldg. 704 Box 390 Poughkeepsie, NY 12602 (914) 463-5674 or 6271

Dr. Bernard Friedland (CS-23)
Research Center
Kearfott Division
The Singer Company
1150 McBride Avenue
Little Falls, NJ 07424
(201) 256-4000 Ext. 2696

Dr. Otto M. Friedrich (WG/NS) Engineering Sciences Department University of Texas at Austin Austin, TX 78712 (512) 471-1800

Prof. R. Grow
Electrical Engineering Depc.
University of Utah
Salt Lake City, UT 84112
(801) 581-7634

Mr. Richard W. Harris
Programmed Control Corp.

2 E. Broad Street
Hopewell, NJ 08525
(609) 466-2100 OFFICE
(609) 448-6801 HOME

Mr. T. L. Hewitt 876 Kent Road Waynesboro, VA 22980

Dr. Edward H. Hulse (West Coast Coordinator, S.F. Area) Lawrence Livermore Labs University of California P.O. Box 808 Livermore, CA 94550 (415) 447-1100

Dr. John J. Jackson
College of Engineering
University of Kentucky
Lexington, KY 40506
(606) 257-3926

Dr. Joseph S. Kaufman Bell Telephone Laboratories Holmdel, NJ 07733 (201) 949-5241

Mr. Victor Klig
497 Park Avenue
Leonia, NJ 07605
(212) 430-2033 OFFICE
(201) 947-6755 HOME

Mr. Richard F. Koch 67 Smith Street Lynbrook, NY 11563 (516) 599-3489

Mr. Frank Kotasek
73 Hedges Avenue
East Patachogue, NY 11772
(516) 475-1330 HOME

Mr. Michael M. Kutcher (WG/AW)
R.D. 1
Box 505
Woodstock, NY 12498

Mr. Francis E. Leib (PC-26) 423 Bailey Avenue Pittsburgh, PA 15211 (412) 381-0263

Dr. J. F. Lindsay (ED-03) Dept. of Electrical Engineering Concordia University 1455 de Maisonneuve Blvd. West Montreal, Quebec, Canada H3G 1M8 (514) 482-0320 Ext. 351

Mr. Eugene W. Niemiec (AP-03) 66 Skytop Road Cedar Grove, NJ 07009 Mr. H. W. Nordyke, President
Nordyke & Associates LTD.
8027 Leesburg Pike Suite 412
Vienna, VA 22180
Phone: 703-893-5800

Mr. Victor Paschkis (ASME Liaison) Fellowship House Farm R.D. 3 Pottstown, PA 19464

Mr. Michael Pessah (West Coast Coordinator, L.A. Area) (WG/BE)
2528 Ridgeview Avenue
Los Angeles, CA 90041
(213) 222-3341 HOME

Dr. A. V. Pohm (Mag-33) 252 Cyclone Computer Laboratory Iowa State University Ames, IA 50010 (515) 294-2938

Mr. David Redfield (WG/EE) RCA Laboratories Princeton, NJ 08540 (609) 452-2700 Ext. 2442

Mr. Anthony D. Robbi R.D. 1 Hopewell, NJ 08225 (201) 685-6062 OFFICE (609) 466-0119 HOME

Mr. Paul Russo RCA Laboratories Princeton, NJ 08540 (609) 452-2700 Ext. 3231

Mr. Stanley M. Shinners (SMC-28) Sperry Systems Management Division Mail Station G-2 Great Neck, NY 11020 (516) 574-2279

Dr. Naresh Sinha
Dept. of Electrical Engineering
McMaster University
Hamilton, Ontario, Canada L8S 4L7
(416) 525-9140 Ext. 4826

Mr. Joel B. Snyder
Snyder Associates
58 Diamond Drive
Plainview, NY 11803
(516) 433-4555 OFFICE
(516) 433-8204 HOME

Mr. Larry L. Stine (WG/IT)
MITRE Corporation
1820 Dolly Madison Blvd.
McLean, VA 22101
(703) 790-6736

Dr. Thomas Watt (EMB-18)
VA Central Office (17A)
810 Vermont Avenue N.W.
Washington, DC 20450

Mr. Steven Weinstein (COMM-19) Bell Laboratories 600 Mountain Avenue Murray Hill, NJ 07974

Dr. Leon W. Zelby (WG/Ed) School of Electrical Engineering The University of Oklahoma 202 West Boyd Street - Room 219 Norman, Oklahoma 73069

Mr. Leonard Zimmerman ITT, Connecticut 1 Research Drive Shelton, CT 06484 (203) 357-8000 Ext. 393

EX OFFICIO

Mr. Joseph E. Baker, Jr. (Administrator) IEEE Headquarters 345 East 47th Street New York, NY 10017 (212) 644-7887

Dr. Irving Engelson (Manager, TAB Committees and Special Projects) IEEE Headquarters 345 East 47th Street New York, NY 10017 (212) 644-2150

Mr. Eric Herz (Executive Director & General Manager) IEEE Headquarters 345 East 47th Street New York, NY 10017 (212) 644-7910

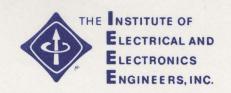
Mr. Richard J. Jerrill Technical Activities IEEE Headquaters 345 East 47th Street New York, NY 10017 (212) 644-7596

Dr. Neil D. Pundit (Staff Director, Technical Activities) IEEE Headquarters
345 East 47th Street New York, NY 10017 (212) 644-7890

8027 Lessburg Fike Sulte 412

Dr. George P. Rodrigue (Chairman, TAB Technology Committees Administration) School of Electrical Engineering Georgia Tech Atlanta, GA 30332

Mr. Ellis Rubenstein (Associate Editor, IEEE SPECTRUM) SPECTRUM 345 East 47th Street New York NY 10017 (212) 644-7589



COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY

ot ylqsr special significance and urgency for members of the engineering profession by reason of technical knowledge, ethical responsi-

swissel asuas I seeds wietur despetatelies of March 28, 1980 bas willid

Dear friend, which of 2500 (which specification of 2500 (which specification)

I am writing to ask you to support the enclosed request to the IEEE Executive Committee that they authorize the formation of an IEEE $\underline{\text{Society}}$ on Social Implications of Technology.

In recognition of the impact that technological decisions have on our quality of life, the IEEE amended its constitution in 1972 to include the following paragraph:

"The IEEE shall strive to enhance the quality of life for all people throughout the world through the constructive application of technology in its fields of competence. It shall endeavor to promote understanding of the influence of such technology on the public welfare."

To this end, the IEEE established the TAB Committee on Social Implications of Technology (CSIT).

During the eight years of its existence, CSIT has played an active role in raising the level of discourse in this important area. To date CSIT has published 29 issues of its quarterly sixteen-page newsletter, TECHNOLOGY AND SOCIETY, which features thoughtful and provocative articles, book reviews, and commentary on such topics as energy, environmental quality, arms control, information technology, consumer product safety, technology in less-developed countries, societal systems engineering, and engineering ethics. CSIT has organized sessions on "Social Implications of Nuclear Power" (Electro '75) and "Solar Energy: A Status Report" (Electro '77), and has also organized workshops and open forums at IEEE conventions. CSIT has given four engineers the Award for Outstanding Service in the Public Interest, consisting of a certificate and \$750. CSIT's pioneering work in the field of engineering ethics has provided the impetus for IEEE to adopt a Code of Ethics and to establish a Member Conduct Committee that enforces the Code and supports engineers who adhere to the Code.

Nevertheless, CSIT's effectiveness has been severely hampered by the operational constraints and the low visibility that are characteristic of a Technical-Activities-Board committee. As a matter of fact, many IEEE members are totally unaware that they can subscribe to TECHNOLOGY AND SOCIETY!

In recent years, we have witnessed Love Canal, Three Mile Island, gasoline lines, oil spills, DC-10 crashes, sluggish industrial productivity, the threat of confrontation between the nuclear superpowers, and the criminal trial of the Ford Motor Company. At the same time, we IEEE members are



aware of the vast potential for improving the quality of life through technological progress. Maximizing the benefits and minimizing the harmful effects of technology are important for the well-being of all people, but these pursuits have a special significance and urgency for members of the engineering profession by reason of technical knowledge, ethical responsibility, and long-term economic self-interest. Surely these issues deserve to be addressed at the IEEE group/society level.

TECHNOLOGY AND SOCIETY's paid circulation of 2500 (which is larger than the membership of many existing IEEE societies) demonstrates that a Society on Social Implications of Technology is indeed feasible. The first step in determining whether or not this potential is transformed into effective action is up to you. If you agree that CSIT should be converted to an IEEE society, I hope that you will not only sign the enclosed petition, but that you will also ask interested colleagues to sign it.

The tolest the valueup ods someone Sincerely, them and entre

people throughout the world through the constructive application of technology in its fields of competence. It shall endeavor to promote understanding of the influence of such technology on the wells welfere."

to this end, the IEEE established the TAB Committee on Social Implications of Technology (CSIT).

During the eight years of its existence, CSIT has played an active role in raising the level of discourse in this important area. To date CSIT has published 39 issues of its quarterly sixteen-page newsletter, TECHNOLOGY AND SOCIETY, which features thoughtful and provocative articles book reviews, and commentary on such topics as energy, environmental quality, arms control, information technology, consumer product safety, engineering ethics. CSIT has organized sessions on "Social Implications of Nuclear Power" (Electro '75) and "Solar Energy: A Status Report" (Electro '77), and has also organized workshops and open forums at IEEE conventions. CSIT has given four engineers the Award for Outstanding Conventions. CSIT has given four engineers the Award for Outstanding CSIT's pioneering work in the field of engineering ethics has provided the impetus for IEEE to adopt a Code of Ethics and to establish a Member Conductive that enforces the Code and supports engineers who adhere to the

Nevertheless, CSIT's effectiveness has been severely hampered by the operational constraints and the low visibility that are characteristic of a Technical-Activities-Board committee. As a matter of fact, many IEEE members are totally unaware that they can subscribe to TECHNOLOGY AND SOCIETY

In recent years, we have witnessed Love Canal, Three Mile Island, gasoline lines, oil spills, DC-10 crashes, sluggish industrial productivity, the threat of confrontation between the nuclear superpowers, and the criminal trial of the Ford Motor Company. At the same time, we IEEE members are

Petition to Form an IEEE Society on Social Implications of Technology

The undersigned IEEE members hereby petition the Executive Committee of the IEEE to authorize the formation of a Society on Social Implications of Technology.

The purposes of the Society are to develop and promote understanding of the interaction between technology and society, to enhance our knowledge of the benefits and detriments of technological options, to support the engineer in the exercise of ethical responsibilities, and to discover and promote means to make technology better serve society.

These purposes will be pursued by publishing a transactions, by publishing a newsletter, by holding meetings and conferences, and/or by any other activities appropriate for encouraging analysis, communication, discussion, and action relating to social implications of technology.

The interests and activities of the present IEEE <u>Committee</u> on Social Implications of Technology, including publication of <u>TECHNOLOGY</u> AND <u>SOCIETY</u>, will be assumed by the new Society.

Signature	Name (please pr		Number (above student grade)

Please return signed petitions as soon as possible to:

Stephen H. Unger 229 Cambridge Ave. Englewood, NJ 07631



TECHNICAL ACTIVITIES BOARD COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY

Please reply to:

April 28, 1980

Dear CSIT member,

Attached is a camera-ready copy of our petition, plus a one-page accompanying news item "To Make Technology Better Serve Society," plus a blank sheet of CSIT stationery. If you would like to help publicize our petition drive, please submit the petition-plus-news-item to the editor of your IEEE Section newsletter/bulletin, using the CSIT stationery to write a short cover letter (handwritten is okay). I think it has a good chance of being published if it's sent in by a member of the Section. If you prefer, you can write your own news item, or you can submit the petition by itself.

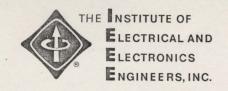
I have sent similar items to <u>The Institute</u>, to the IEEE group/society newsletters, and to the electronics trade magazines.

IEEE officials and activists are starting to show a lot of interest in the issues of social implications of technology—perhaps in response to CSIT's activities. I think we may see a great expansion of IEEE activity in this area over the next few years. If so, CSIT is well positioned to take part in these activities, because we are the cognizant IEEE entity at present, and we have been the motive force behind much of the substantive output produced by the IEEE in this area thus far. However, some of these IEEE officials and activists would prefer to exclude CSIT from these activities—or even abolish CSIT altogether—perhaps so that they can avoid the substantive issues raised by CSIT and can concentrate on the "important" activities—like lobbying and public relations. If they do succeed in burying CSIT, at least let it not be because we didn't let anyone know that we were alive!

A petition drive tends to attract media attention (our 1972 petition drive, which produced CSIT, made the cover of Electronics magazine), and it's an appropriate occasion to tell people about CSIT. Publicity has properties of a positive-feedback loop. If each of us takes a few minutes to write to just one newsletter or trade magazine, we'll pick up a lot of signatures on our petition, and we'll produce a greatly increased awareness of CSIT's activities among IEEE members.

Best wishes,

Frank Kotasek



345 EAST 47th STREET, NEW YORK, NEW YORK 10017

MEMORANDUM

DIRECT NUMBER (212) 644- 7887

To Committee on Social Implications of Technology Members

From Mona Reisman, Administrator Management TAB Technical Committees

Date April 30, 1980

At the request of Frank Kotasek I am sending you:

- a. a small copy of "Petition To Form An IEEE Society on Social Implications of Technology"
- b. letter addressed "Dear CSIT Member
- c. news item entitled "To Make Technology Better Serve Society"
- d. one sheet of Blank CSIT Stationery
- e. a cover letter for SIT petition addressed "Dear Friend"
- f. "Petition to Form an IEEE Society on Social Implications of Technology"
- g. March 17, CSIT Minutes
- h. updated CSIT roster

If I can provide any further assistance, please contact me at headquarters.

PETITION TO FORM AN IEEE SOCIETY ON SOCIAL IMPLICATIONS OF TECHNOLOGY

The undersigned IEEE members hereby petition the Executive Committee of the IEEE to authorize the formation of a Society on Social Implications of Technology. The purposes of the Society are to develop and promote understanding of the interaction between technology and society, to enhance our knowledge of the benefits and detriments of technological options, to support the engineer in the exercise of ethical responsibilities, and to discover and promote means to make technology better serve society. These purposes will be pursued by publishing a transactions, by publishing a newsletter, by holding meetings and conferences, and/or by any other activities appropriate for encouraging analysis, communication, discussion, and action relating to social implications of technology. The interests and activities of the present IEEE Committee on Social Implications of Technology, including publication of Technology and Society, will be assumed by the new Society.

Signature	
Name (please print)	
IEEE Member Number (above student grade)	

Please return signed petitions to: 229 Cambridge Ave.

Stephen H. Unger Englewood, N. J. 07631



345 EAST 47th STREET, NEW YORK, NEW YORK 10017

TECHNICAL ACTIVITIES BOARD

CHAIRMAN-TECHNOLOGY COMMITTEES ADMINISTRATION G. P. Rodrigue (404) 894-2944

May 13, 1980

PLEASE REPLY TO:
Georgia Institute of Technology
School of Electrical Engineering
Atlanta, GA 30332

Professor Steve Unger 229 Cambridge Avenue Englewood, New Jersey, 07631

Dear Steve:

Your presentation at the TABOPCOM meeting went quite well, I thought. It was unfortunate that we got so far behind schedule and suffered from such a compression in time. In one respect, however, it may well have worked to advantage. Tabling of the Society petition question allows more time for preparation and with greater insight into TABOPCOM thinking on the matter.

As I mentioned in our hallway chat I believe that you should pursue several parallel alternatives. Of course, you will continue to gather petition signatures. The arguments of USAB vs. TAB connection might be swayed by transnational aspects, so some thinking along those lines would be helpful. Contact with Bernie Manheimer of EQC might also be helpful in developing common interests and perhaps action. Finally, your CSIT meeting would be a good opportunity to explore the council concept. Consideration of possible societies with interest in becoming council members would be a helpful exercise. As you probably know, Councils can enjoy a large degree of visibility and independence. The governing body of a council is composed of (usually) two members appointed by the President of each constituent society. Generally these oppointments are non-controversial and made on the basis of expressed interest. It would mean, however, that each member of that body must belong to a constituent society. In addition subscribers to the council's publication would have to opt for that choice as a member of a TAB society. While not advocating this approach at present, I'd suggest that your group consider its pros and cons. I can see that it might be seized upon as a compromise settlement by TABOPCOM. Thus appropriate arguments should be as well prepared as possible. Let me know of the results of your next CSIT meeting.

Sincerely yours,

P. Rodrigue

GPR:sr

Committee on Social Implications of Technology: The Case for Upgrading to Society Status

(S.H. Unger, 5/15/80)

CIST was set up as an ad hoc committee of TAB by the Executive Committee of IEEE in 1972 in response to a petition signed by over 600 IEEE members that called for the formation of a Society on Social Implications of Technology. It was made a standing committee about 4 years later.

Scope of Activities: CSIT has addressed a wide range of issues in the technology-society interface including engineering ethics, computer security and privacy, energy, application of systems engineering to societal problems, crime countermeasures, technology for less developed nations, human rights of engineers, military technology and policies, transportation and bio-engineering. have been addressed through articles and letters in its quarterly publication, Technology and Society, the organization of sessions at IEEE meetings and via direct dialogues with members of various other entities within IEEE as well as with some other professional societies such as ASME and AAAS. Apart from providing a forum for exploring a broad range of important areas, CSIT's prime accomplishments have been its role in developing IEEE's ethics machinery and its contributions to the work of the IEEE Energy Committee (mainly through its representatives on that body).

Membership: Over 2,500 IEEE members, widely distributed over every region, are paid subscribers to T & S. The active membership of the committee is roughly 25, including both long term members and new recruits. Some are liason members appointed by other IEEE entities, while others are simply IEEE members interested in the

Why A Society?: Having successfully served out an 8 year probationary period, the time is ripe to broaden CIST's membership by making it more visible to IEEE members. The formation of local chapters would make it possible for more people to participate the organization of meetings and conference sessions and would of course, require financial independence. Evolving CSIT into established. actively. Its publication should be upgraded to archival status

anny. INTERCTIVE CKIRDERD EMPH.

Comments by Eswi Bilstrup 5-27-80

Case for Upgrading the IEEE Committee on Social Implications of Technology to IEEE Society Status

S.H. Unger 5/18/80

Origins: CSIT was formed as an ad hoc committee of TAB by the Executive Committee of IEEE in 1972 in response to a petition signed by over 600 members calling for the formation of a Society on Social Implications of Technology. It became a standing committee in 1976.

Field of Interest: Impact of technology on society, and societal influences on engineering, computer-communications technology related to privacy, the democratic process and commercial transactions. Energy policy alternatives. Technology and less developed nations. National security policy. Crime countermeasures. Automation and employment. Transportation. Bio-engineering. Engineering ethics. Human rights violations against engineers abroad.

Activities: The issues mentioned above (and others) have been addressed by CSIT thru articles and letters in its quarterly pulication, Technology and Society, heavily attended sessions organized at national IEEE meetings, direct dialogues with other IEEE entities and thru liason with other professional societies such as ASME and AAAS. In addition to providing forums for discussing issues, CSIT played a major role in the development of IEEE's ethics code and procedures, established an award for "Outstanding Service in the Public Interest", and contributed to the work of the IEEE Energy Committee (mainly via its representatives on that body.)

Membership: Over 2,500 IEEE members, distributed worldwide, are paid subscribers to $\frac{T \ \xi \ S}{\text{work}}$. About 25 IEEE members participate actively in the Committee's work, including liason members from other IEEE entities. At present, two are from Canada.

Why a Society?: A society can form local chapters, publish transactions or a magazine (which can be sold to libraries and nonmembers) and more easily organize workshops or conference sessions. These factors and the generally greater visibility of a society would significantly broaden the base of active members and increase publication circulation. This in turn would attract more high quality articles for T & S. Finances would be placed on a sounder basis. Evolving CSIT into a society, an orderly way of enhancing a going concern, would be administratively simpler and more natural than forming a council, which is a structure intended for facilitating cooperation among a few societies with overlapping interests, and which provides for neither direct membership nor local chapters. The area of social implications of technology is more analagous to the fields of management or education than to subjects such as ocean engineering or solid state physics.

In addition; Mention 1972 amendments (regarding 517) to IEEE constitution and the fact that C517 is primary doing the most of any IEEE entity to earny them out,

TECHNICAL ACTIVITIES BOARD COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY

Please reply to:

229 Cambridge Avenue Englewood, N.J. 07631

May 20, 1980

Professor G.P. Rodrigue School of Electrical Engineering Georgia Institute of Technology Atlanta, Georgia 30332

Dear Pete:

Thank you for your May 13 letter and your very helpful attitude toward our Committee.

I have already taken your advice to contact Bernie Manheimer, and had a very interesting and, I believe, fruitful phone conversation with him. It is clear that we have a strong common interest and we have initiated steps to facilitate cooperation. Among these are to appoint liason members on each side. I invited him to submit articles, announcements, etc. for publication in T&S, and he invited us to cooperate with EQC in planning a symposium in conjunction with the IEEE Centennial in 1984.

We did review the Council concept at our meeting Saturday and there was general agreement that this would not be a forward step in that the necessity for each CSIT member to be appointed by a president of some society would be an awkward and pointless business. No doubt we could learn to adapt to such a mechanism, but it would certainly not be helpful. One could argue that it would bring in new active members, but we have always had a mechanism whereby societies can(and do) appoint liason members to CSIT. The point made in your letter that IEEE members can only subscribe to a council's publication as members of a constituent society is another strong drawback.

In general, the council structure seems more appropriate to a technical subject of interest to a number of societies than it does to a major field of study that has an across the board interest to all IEEE members.

We are pursuing the goal of magazine status for T&S independently of the society question. Frank Kotasek will represent us at the June 17 Publication Board meeting at which the matter will be considered. At our meeting, it was voted to increase the T&S subscription rate to \$3 and to raise it to \$4 if the Publication Board approves magazine status at its June 17 meeting.

Of course we are continuing to collect signatures on our petition(the total is

now approaching 300).

I am enclosing a one page summary of our case for society status which I plan to send to the members of TAB-OPCOM, TAB and the Executive Committee prior to the July meeting. Comments and suggestions regarding this would be appreciated.

Yours truly,

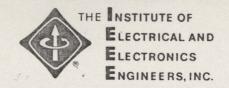
Stephen H. Unger

Enc:

CC: Mr. L.K. Anderson 555 Union Blv'd. Allentown, Pennsylvania

18103

SHU:mac



345 EAST 47th STREET, NEW YORK, NEW YORK 10017

TECHNICAL ACTIVITIES

TELEPHONE: (212) 644-7868

June 12, 1980

Mr. Frank Kotasek, Secretary Committee on Social Implications of Technology 73 Hedges Avenue East Patachoque, NY 11772

Dear Frank:

Here is the letter concerning the Engineering Management Resolution which we discussed.

Best personal regards,

Esmi L. Bidstrup

cc: Dr. Norman Balabanian Dr. Thelma Estrin Prof. G. P. Rodrigue

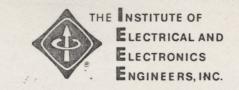
Dr. Irving Engelson

Mrs. Mona L. Reisman

Dr. Stephen H. Unger

ELB/1bw

Enc1.



ENGINEERING MANAGEMENT SOCIETY

OFFICE OF THE PRESIDENT Charles B. Stott, P.E.

IEEE

JUN 12 1980

PLEASE REPLY TO: General Products Division IBM Corp., 68G/061-1 Tucson, AZ 85744 (602) 741-5435

TECHNICAL ACTIVITIES

June 9, 1980

Esmi Bidstrup Manager TAB General Activities IEEE 345 East 47th Street New York, NY 10017

Dear Esmi:

As you requested in our telephone conversation Tuesday, here is the text of the resolution on CSIT adopted by the EMS AdCom at its May 13 meeting in Boston. By copy to our secretary, Grover Daussman, I request that he verify the exact wording since he has the original draft prepared during the meeting.

Resolved: The Engineering Management Society AdCom opposes the petition of the Committee on Social Implications of Technology to become a society. It is not clear that the publications to date of this organization represent the technical excellence or consensus which is typical of the TAB organization. Their controversial view points, sometimes in direct opposition to the stands taken by the technical groups and societies of the Institute, can only dilute the impact of the Institute as a competent technical body.

As I noted adoption of the above was nearly unanimous. From the tenor of the discussion on this resolution my guess is that the EMS AdCom could also endorse a resolution to abolish CSIT, but with a smaller plurality.

Esmi Bidstrup June 9, 1980 Page Two

The field of interest of the EMS overlaps that of CSIT but this consideration was never mentioned in the AdCom discussions. The EMS constitution includes "Also of concern are the socio-economic impacts of technology on society." I suggest that "socio-economic" implies the balanced perspective that EMS leans toward as compared to the emphasis on social considerations alone which seems to dominate the CSIT.

Sincerely,

C. B. Stott

cc: Vivian Carr 195 Broadway New York, NY 10007

> Grover Daussman 1910 Colice Rd SE Huntsville, Al 35801

H: 703-823-9234 O: 703-521-1920

TECHNICAL ACTIVITIES BOARD COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY

Please reply to:

Dr. Stephen H. Unger Columbia University Electrical Engineering Dept. S.W. Mudd Building New York, NY 10027

June 16, 1980

Dr. Cyril J. Tunis IBM Prod. Devel. Lab Dept. E10 Glendale Drive Endicott, NY 13760

Dear Dr. Tunis:

The application of CSIT for elevation to Society status will probably be on the agenda for the July TAB meeting. Since you may not be well acquainted with the activities of our committee, the enclosed recent issue of our quarterly newsletter might serve as a useful introduction. Other information will be made available at a later date.

Should you have any questions about our application or if you would like to see other copies of our newsletter, please do not hesitate to contact me.

Yours truly,

Stephen H. Unger Chairman, CSIT

Enc.



TECHNICAL ACTIVITIES BOARD COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY

Please reply to:

Dr. Stephen H. Unger Columbia University Electrical Engineering Dept. S.W. Mudd Building New York, NY 10027

June 16, 1980

Dr. Richard W. Damon Sperry Research Center Applied Physics Lab 100 North Road Sudbury, MA 01776

Dear Dr. Damon:

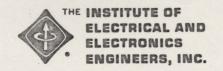
The application of CSIT for elevation to Society status will probably be on the agenda for the July TAB meeting. Since you may not be well acquainted with the activities of our committee, the enclosed recent issue of our quarterly newsletter might serve as a useful introduction. Other information will be made available at a later date.

Should you have any questions about our application or if you would like to see other copies of our newsletter, please do not hesitate to contact me.

Yours truly,

Stephen H. Unger Chairman, CSIT

Enc.



COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY

April 25, 1980

To Make Technology Better Serve Society

The IEEE Committee on Social Implications of Technology (CSIT) has launched a petition drive to convert CSIT to an IEEE Society (see box).

The Committee on Social Implications of Technology was established by the IEEE in 1972. During the eight years of its existence, CSIT has published 29 issues of its quarterly sixteen-page newsletter, Technology and Society, which features articles, book reviews, and commentary on such topics as ethics, energy, environmental quality, arms control, information technology, societal systems engineering, consumer product safety, and technology in less-developed countries. (Technology and Society has a paid circulation of 2500.) CSIT has organized sessions at IEEE conventions on "Social Implications of Nuclear Power" (Electro '75) and "Solar Energy: A Status Report" (Electro '77). CSIT has given four engineers the Award for Outstanding Service in the Public Interest, consisting of a certificate and \$750. CSIT provided the impetus for the IEEE to adopt a Code of Ethics and to set up a Member Conduct Committee that enforces the Code and supports engineers who adhere to the Code.

Nevertheless, CSIT finds that its effectiveness is severely limited by the constraints that are imposed on IEEE Technical-Activities-Board committees. CSIT believes that, to do the quality work that is needed in this area, it must have access to the full range of activities and communication channels that are available to IEEE groups and societies; most importantly, it must be able to publish a refereed transactions.

Maximizing the benefits and minimizing the harmful effects of technology are important for the well-being of all people, but CSIT feels that these pursuits have a special importance for members of the engineering profession by reason of technical knowledge, ethical responsibility, and economic self-interest. CSIT asks all IEEE members who care about these issues to sign its petition. (Your IEEE member number appears on the mailing label on the outside page of this Newsletter.)

Case for Upgrading the IEEE Committee on Social Implications of Technology to IEEE Society Status

S.H. Unger 6/13/80

Origins: CSIT was formed as an Ad Hoc Committee of TAB by the Executive Committee of IEEE in 1972 in response to a petition signed by over 600 members calling for the formation of a Society on Social Implications of Technology. It became a standing committee in 1976.

Field of Interest: Engineering ethics; understanding the impact of electrotechnology on society and vice versa; and understanding the benefits and detriments of technological options. Some examples of topics that fall within this field of interest are: energy policy alternatives; national security policy alternatives; technology and less-developed nations; and crime countermeasures.

Activities: The issues mentioned above (and others) have been addressed by CSIT thru articles and letters in its quarterly newsletter Technology and Society, heavily attended sessions organized at national IEEE meetings, direct dialogues with other IEEE entities and thru liason with other professional societies such as ASME and AAAS. In addition to providing forums for discussing issues, CSIT played a major role in the development of IEEE's ethics code and procedures, and CSIT has established an award for "Outstanding Service in the Public Interest".

Why a Society?: A Society can: (1) publish transactions and/or a magazine (which can be sold to libraries and to nonmembers); (2)more easily organize conferences and workshops; (3) form local chapters; and (4) have affiliategrade members. An archival publications would attract more high-quality papers than does a newsletter. The affiliate mechanism would attract partiticipation (and dues) from the large number of non-EE's who have an interest in this field. All four factors would interact to generate a quantum increase in publication circulation, active member participation, quality of output, and revenues.

The paid circulation of <u>Technology and Society</u> is 2500, which is equal in size to many existing IEEE <u>Societies</u> and is 50 times larger than any of the four other TAB Technology Committees. Transforming CSIT into a <u>Society</u> would be administratively straightforward and would coincide perfectly with the needs and composition of CSIT's established constituency of 2500 IEEE members. In contrast, forming a <u>Council</u> would entail building a whole new organization and subscriber list from the ground up because a Council cannot have any direct individual members. Also, a Council cannot form local chapters.

In 1972 the IEEE amended its constitution to affirm that the social implications of technology were an area of vital importance to the IEEE. CSIT has made a good beginning toward translating these words into action, and we ask you to give us the tools we need to take the next step forward.

47. REVIEW OF COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY ACTIVITIES. In accordance with the IEEE procedure requiring a review of all TAB committees within a 3-year period, the Committee on Social Implications of Technology was reviewed by TAB OpCom. CSIT Chairman Unger made a presentation concerning the Committee's draft Charter, goals, performance, membership, internal and external interactions, and problem areas that may exist.

TAB OpCom thanked Chairman Unger for his presentation.

48. COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY PETITION FOR SOCIETY STATUS. CSIT Chairman Unger presented a petition to TAB OpCom requesting Society status for the Committee. During the ensuing discussion, the question arose of activities overlap with USAB, and whether or not CSIT might better become a Council rather than a Society. It was moved that

TAB OpCom defer action on CSIT's petition for Society status until the next TAB OpCom and TAB meetings in July. The motion passed unanimously.

49. OFFICE OF MANAGEMENT AND BUDGET CIRCULAR A-119 AND STANDARDS GENERATION IN GROUPS AND SOCIETIES. Director, Standards Activities Howell presented information concerning OMB circular A-119, which states a set of criteria by which voluntary standards making bodies must operate to permit involvement (and implied acceptance) by governmental employees and governmental bodies. After a brief discussion, it was moved that

The material concerning OMB circular A-119 prepared by Director Howell be appended to the Minutes of the May 9, 1980 TAB OpCommeeting, and that the item be on the agenda for the July TAB OpCommeeting, in order to decide on a course of action which IEEE, through TAB, should take. The motion passed unanimously.

(ref. Appendix XXIV)

50. TAB FINANCE COMMITTEE. TAB Finance Committee Chairman Tunis gave a brief presentation concerning the non-member prices for magazines, journals, TRANSACTIONS, as well as recommended subscription rates for Section libraries, and Student Branch libraries. In view of the amount of information concerning these items, it was moved that

TAB OpCom approve the Energy Committee
Charter with a revision such that the last sentence of the second paragraph of section 1.4.2.1
reads "The Chairman of the Energy Committee will serve for a term of one year, and shall not normally be eligible to serve more than two consecutive terms." The motion passed unanimously.

(Editorial Note: The Energy Committee Charter, as revised by TAB OpCom, will be reviewed by USAB on August 21, 1980 at their meeting in Palo Alto, CA)

(ref. Appendix XXIX)

FORMATION OF A SOCIETY ON SOCIAL IMPLICATIONS OF TECHNOLOGY. 63. At the TAB OpCom meeting, Technology Committees Administration Chairman Rodrigue and Committee on Social Implications of Technology (CSIT) Chairman Unger presented the petition for the formation of an IEEE Society on Social Implications of Technology. Chairman Unger noted that as a Society, the entity would be able to better interact with other organizations concerning society and He presented the formal petition for the formation of such a society, and indicated that they had already received over 600 signatures of IEEE members above Student grade. Some discussion ensued concerning the potential archival value of the CSIT Newsletter Society and Technology in the event it became a magazine. It was pointed out that the proposed society would be a new entity, and not an upgrading of the current committee, thereby eliminating some of the objections to the proposal based on the current activities of CSIT. Division VII Director Owens stated that the Power Engineering Society recommends that each IEEE Society form a Committee on Social Implications of Technology related to their discipline, and that the chairpersons of each of those respective committees form the TAB Committee on Social Implications of Technology. After some additional discussion, it was moved that

TAB OpCom recommend to TAB the formation of a Society on Social Implications of Technology. The motion passed with 6 in favor, 4 opposed, and I abstention.

At the TAB meeting the following day, CSIT Chairman Unger reviewed the reasons for the petition to form a Society on Social Implications of Technology. During the discussion which followed, it was suggested that the IEEE Executive Committee approve the formation of such an entity, but that the entity not be within the Technical Activities Board structure, since there was some feeling that such an entity would not be technically based. On the other hand, it was

also pointed out that the study of the social implications of technology was a growing academic discipline and should be an integral part of TAB. The consensus of the discussion was that the entity, if approved, should be some form of a hybrid between a Society and a Council. It was noted that the topic of society and technology was one which was being addressed world-wide, and it would therefore be appropriate for the IEEE, as a transnational organization, to have such an entity. After further discussion concerning both the nature of such an entity and its possible scope of activity, it was moved that

TAB Chairman Larson appoint an ad hoc committee to make recommendations concerning the form such an entity on Social Implications of Technology would take, and to draft a Constitution for its activities. The ad hoc committee to report back to TAB at its December meeting.

The motion passed unanimously.

(Editorial Note: The ad hoc committee, as appointed by TAB Chairman Larson, is composed of: Stephen H. Unger, Chairman; Jack Jatlow, Engineering Management Society Representative; William Underwood, Power Engineering Society Representative; F. A. Furfari, Division II Director, plus one additional member to be appointed by Chairman Unger).

(ref. Appendix XXX)

64. 1981 IEEE BUDGET. At the TAB OpCom meeting, IEEE Treasurer Brereton made a detailed presentation showing the history of the IEEE General Funds, and stating that a deficit is now anticipated for 1981. Treasurer Brereton noted that many possible ways of reducing the deficit had been considered, among them charging for services currently being provided to the S/G/C's for free (e.g., accounting services). However, Treasurer Brereton stated that at this time he was requesting \$400K from the S/G/C's to offset part of this deficit, rather than charging for individual services. TAB Finance Committee Chairman Tunis reported that this question had been considered by the TAB Finance Committee at its recent meeting, and moved that

TAB OpCom recommend to TAB that should the currently projected General Fund deficit for 1981 materialize, the S/G/C's agree to a one-time contribution to the General Fund in the amount of 1% of each Society's 1981 expenses.



TECHNICAL ACTIVITIES BOARD COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY

Please reply to:

Dr. Stephen H. Unger 229 Cambridge Avenue Englewood, NJ 07631

July 21, 1980

Dear TAB Member:

While still exhilarated by my experiences at the TAB-OpCom and TAB meeting in Minneapolis, I prepared the enclosed report to CSIT for publication in the September issue of Technology & Society. It summarizes to the best of my ability what occurred, but it is certainly possible that there are significant errors or omissions.

I would greatly appreciate receiving your comments, criticisms, suggestions etc. Please indicate if such remarks are intended for publication. If so, then I will request that they appear (in full) in the earliest issue of T&S after receipt.

Although disappointed at the result, I would nevertheless like to thank all of you for the patience with which you heard our case.

Yours truly,

Stephen 2/ Unger (MLE)
Stephen H. Unger
Chairman, CSIT

/amh

TO BE IN SERT. ISSUT 7/21/80 OF 745

Report on the Status of the Proposals to Form an IEEE Society on Social Implications of Technology and to Upgrade Technology and Society to an IEEE Magazine.

By Stephen H. Unger, Chairman, CSIT.

Early this year, CSIT launched a petition campaign, in accordance with IEEE's bylaws, calling for the formation of an IEEE Society on Social Implications of Technology (SSIT). The reasons for this action can be found in the petition text, accompanying explanations appearing with the petition in the March and June issues of T&S, and in the case summary printed elsewhere in this issue.

As of July 16, signatures were in hand from members from all over the United States and from many other nations well distributed worldwide. Many were accompanied by encouraging letters or comments. Signers were also well distributed with respect to technical specialties and type of employment, with significant numbers from private companies of all sizes, public utilities, government at all levels and universities; private consultants and retired engineers were also represented.

In parallel with the SSIT campaign, CSIT renewed its application to IEEE's Publication Board to upgrade T&S to magazine status. That body, at its mid-June meeting, referred the matter back to the Technical Activities Board* (TAB),

which is CSIT's parent body.

*For those unfamiliar with IEEE's organizational structure, a brief explanation may be useful.

TAB is comprised basically of all 30 society presidents, the divisional directors—each representing a subset of the societies, and the chairman of TAB's 8 or 10 standing committees and councils—including CSIT. It is chaired by IEEE's Vice President for Technical Activities.

The 12 members of TAB—OPCOM are the TAB Chairman, the 7 divisional directors, and the chairmen of several key administrative committees, such as finance.

According to IEEE's bylaws, formation of a new society requires approval by the Executive Committee of the Board of Directors (EXCOM) upon receipt of a petition signed by 100 IEEE members above student grade. EXCOM first consults with TAB, and, after approving the formation of the new society, must also approve its constitution before it can begin operations. Prior to consideration by TAB, the matter is first reviewed by TAB-OPCOM, which makes a recommendation to TAB.

This May, at which time over 200 signatures had been obtained on our petition, CSIT brought the matter before TAB-OPCOM. After some discussion it was tabled until the July 17 meeting (to be followed the next day by a meeting

of TAB).

As CSIT chairman I attended these 2 meetings (in Minneapolis) to present our case. (The magazine and SSIT proposals were treated together.)

Following a lengthy and lively debate (the substance of which is outlined below) TAB-OPCOM, by a vote of 6-4 with one abstention, recommended approval of the SSIT proposal.

The subject was introduced at the TAB meeting on July 18 with a summary of the pro and con arguments developed at the TAB-OPCOM meeting. This was followed by an open debate in which every society president who spoke (perhaps 6 to 8) opposed the proposal. Most of them also attacked CSIT. Perhaps the only good word any of them had for CSIT was a statement by one strong opponent that, in contrast to all previous issues he has seen, the June issue of T&S was fairly good. Several members of OPCOM also spoke in opposition, while a few others joined me in strongly supporting the resolution. IEEE President Leo Young proposed a compromise (more about this further on). Unfortunately, one society president who strongly supports our position was unable to attend the TAB meeting due to a parallel meeting of his own ADCOM.

To the best of my recollection, the arguments made against our proposal, and against CSIT, at both meetings, are outlined below. Of course not all of these were made (or necessarily accepted) by any one person and some may have been advanced by people who afterward changed their minds during the course of the discussion.

(The ordering is not significant.)

- (1) CSIT, particularly as reflected in T&S, is biased in an anti-technology direction, almost always emphasizing negative aspects rather than benefits of technology.
- (2) Articles and editorials in T&S, particularly those related to nuclear energy, are often strongly biased, distorted, full of technical errors and far below IEEE quality standards. (Time did not permit going into detail on this point.)
- (3) CSIT, again particularly in the energy area, has promulgated positions at variance with those of the cognizant experts more qualified to speak for the IEEE.
- (4) Should an SSIT be formed, it would lack technical expertise and tend to attract "Nader types" and other emotional anti-technology people.
- (5) Should an SSIT or CSIT publish an archival journal
 (say a magazine) sold to libraries and nonmembers, the
 biased, uninformed views that it would contain would thereby
 acquire the prestige of IEEE, misinforming the public,
 embarrassing IEEE and weakening IEEE's general influence.
 This would be true regardless of what review procedures
 were set up.
- (6) The kind of people who become active in technology and society issues tend not to be objective.
- (7) CSIT has become involved in areas, both technical and nontechnical, that are outside the scope of IEEE.

- (8) Every IEEE member and every IEEE society should be concerned with technology and society issues. It would be a serious mistake to isolate this concern within one particular society.
- (9) Each society should have its own technology and society committee. TAB should form a T&S council comprised of these committees. In this form the expert knowledge embodied in the societies would be better utilized.
- (10) TAB should stay clear of all activities not strictly technical. Social implications should have a place elsewhere in IEEE.
- (11) CSIT should not be involved with ethics or professionalism.
 This is the domain of the Member Conduct Committee (MCC),
 USAB and IEEE's professional activities committees (PAC's).
- (12) To a large extent, technology and society issues are the domain of the Engineering Management Society.
- (13) CSIT has advocated proposals in the ethics area that would have IEEE intervene between engineers and their employers.
- (14) IEEE is a transnational organization and members outside the USA are not interested in technology-society issues.

I shall not attempt here to rebut these arguments. T&S readers are well qualified to evaluate them without help. However, some special information is relevant to particular points:

On item 11: conversations I have had with Dick Gowen (USAB Chairman and IEEE Vice President of Professional Activites) and Jim Fairman

(MCC Chairman) indicated that they welcome a role for CSIT or SSIT in developing ideas in the ethics area. Furthermore, several PAC Chairman have been active on CSIT.

With respect to item 14: Of T&S current total of over 2600 paid subscribers, over 440 reside in over 50 nations outside the USA. As has been noted in a past issue of T&S, there is an active Working Group on Technology and Society in the Swiss IEEE Section. Its Chairman and a number of members signed our petition. Pertinent to point 8 is that the Communications Society has an active T&S committee, and it also endorsed the idea of SSIT. Furthermore CSIT welcomes the participation of appointed representatives of other IEEE entities. Currently representatives of 4 societies are active members of CSIT.

Now to resume our narrative. Toward the end of the discussion, Leo Young, expressing general support for the SSIT idea, proposed that, in order to accommodate many of the concerns summarized above, the SSIT constitution provide that a substantial number (he was not precise, but my impression is that he meant about one third) of its governing body (ADCOM) be people appointed by divisional directors. The others would of course be elected by the society's members. The effect would be to give SSIT some of the character of a council (see argument 9 above). I accepted this compromise and it was tentatively agreed that I would chair a small working committee representing various viewpoints on TAB to draft an appropriate constitution, that would then be brought back to TAB for approval. However, before embarking on this

task, I asked for some assurance that its satisfactory solution would indeed lead to approval by TAB of SSIT. A straw vote was then taken to determine how many votes there were for any TAB entity on T&S that would have the authority to publish a magazine. The result was well under a majority and it seemed clear that there was not enough support in TAB this year to warrant continuing to press our case.

Altho the outcome of the discussion was disappointing, the other TAB members were friendly and courteous. TAB Chairman Bob Larson handled matters with exceptional skill and fairness.

Copies of this report are being sent to all TAB members for comments (which, if they consent, will be printed in full in the earliest T&S issue after receipt). Of course comments from T&S readers are also invited.

What Next for CSIT

At our next CSIT meeting (Sept.), we shall discuss ideas for making our committee more effective. Some initial lines of thought are:

- (1) Redouble our efforts to seek active participation by representatives of IEEE societies and other IEEE entities.
- (2) Publish written debates in T&S on controversial topics.
- (3) Solicit even more vigorously articles representing responsible viewpoints on all sides of issues.
- (4) Continue efforts to establish local CSIT groups in different geographic areas.
- (5) Cooperate closely with CSIT groups within IEEE societies.
- (6) Increase our visibility within IEEE, particularly by getting more subscribers to T&S. (See subscription form elsewhere in this issue.)



August 15, 1980

OFFICE OF THE PRESIDENT Harry R. Sheppard

Dr. Stephen H. Unger 229 Cambridge Avenue Englewood, NJ 07631

Dear Dr. Unger,

I thought you might be interested in my comments to the EIS

Executive Committee following the last TAB Meeting. Accordingly, I
have attached a copy for your information.

Sincerely yours,

Harry R. Sheppard

Attach.

cc: Mr. F. A. Furfari cc: Dr. R. E. Larson

(46)

Westinghouse Electric Corporation



Transformer Divisions Materials & Manufacturing Technology

469 Sharpsville Avenue Sharon Pennsylvania 16146 USA Cable WELCO Sharon Pennsylvania (412) 981 1611

August 1, 1980

Mr. W. B. Penn, General Electric, Erie, Pa.

Mr. T. Orbeck, Dow Corning Corp., Midland, Mich.

Mr. N. V. Gjaja, General Electric, Schenectady, N.Y.

Dr. E. O. Forster, Exxon Research & Eng. Co., Linden, N.J.

Mr. P. E. Alexander, Phelps Dodge, Fort Wayne, Ind.

Dr. R. Bartnikas, Hydro-Quebec Inst. of Research, Varennes, Quebec, Canada

Gentlemen:

I thought I would give you a brief summary of certain actions and impressions resulting from my attendance at the TAB meeting that took place in Minneapolis on July 18, 1980.

- Item 1: Conduct of Meeting. The meeting was well attended and preparations for the meeting were very good in that advance information on action and information items were forwarded to me (and I assume all others) well in advance of the meeting. After arriving at the hotel, the meeting location was changed at least three times which indicated a local arrangement problem. The meeting was conducted without adequate knowledge of parliamentary procedure (Roberts Rules of Order) and with no appointed parliamentarian which caused considerable time delay, confusion, and irritation.
- Item 2: Finance. We were advised that IEEE anticipates financial problems in the future due to inflation, etc. and a request was made of the societies to donate 2% (approximately \$200,000) of their income to assist the Institute in offsetting an anticipated deficit of \$1.5 x 10⁶ for the year of 1981. The discussion was heavy and the motion to approve the expenditure failed 17-14. I voted in favor of providing the support to the Institute in that Institute policy has enabled EIS to develop suitable reserves. It was obvious that many IEEE Boards and activities were deficit financed with no apparent input or concurrence by TAB or the societies. Criticism of SPECTRUM was particularly acute.

Accumulated reserves of all of the societies has increased as shown in the attachment and EIS reserves have only just kept pace with other societies. We must continue to increase our reserves in order to remain financially viable.

The annual budget for the Institute (not including the societies) for 1980 is about \$17 \times 10^6 and the Institute has reserves of about \$4 \times 10^6 . The combined annual 1980 budget for the societies is about \$10 \times 10^6 and their reserves are about \$5.5 \times 10^6 . Attached are copies of financial compilations that were distributed to us.

- Item 3: Society Status For CSIT. This item related to the upgrading of the Committee on Sociological Impact of Technology to that of a society. The discussion was long, cumbersome, and detailed. I spoke against society status because:
 - 1. Sociologic Impact of Technology should be a matter of concern to every engineer and society and should not be the province of a group of "super concerned IEEE" members.
 - 2. CSIT has not demonstrated any control over their organization to confine their concerns to IEEE charter technology fields. They write about fields in which expertise is not present in the IEEE let alone in CSIT.
 - 3. CSIT has built a Newsletter circulation on sensationalism and adversary positions not necessarily founded on good science and engineering and not apparently out of concern for society but apparently out of motivation to obtain expanded readership.
- Item 4: Favorable action was taken by TAB to establish a Richard M. Emberson Award "For outstanding contribution to the technical activities of the Institute", the award to consist of a certificate and \$1000.
- Item 5: Office of Management and Budget Circular A-119. A list of approved Volunteer Standards Writing Organizations is being developed by the U.S. Government in accord with OMB Circular A-119. Action was taken to recommend that the Institute seek a listing in accord with the requirements and provision of the circular. If a listing for IEEE is not secured, Government employees will not be permitted to participate in the Standards making activities of the Institute or its societies.

There were few other items on the TAB AGENDA of direct concern to EIS except a place for reports from S/G/S Presidents. It was necessary for me to leave the meeting before these reports were received and so I did not express our continuing desire for an Institute Policy for the funding of IEC delegates. In a side-bar discussion with Tony Furfari, I was advised that the AD HOC Committee on IEC delegate funding had met but I don't know the results of their meeting. Also, on returning home, I sat on the airplane with Don Brereton, Institute

Treasurer, who gave me further insight into Institute finances. He assured me that better business methods were being initiated by the Institute to get a handle on costs, and for use in planning and budget control. My impression was that if policies and procedures that he has initiated are carried out that the Institute and the Societies will be on a much sounder financial basis in the future. Incidentally, it was his understanding that the "Book Broker" procedure was voluntary and also that it was not proving to be financially valuable to TAB. This matter should be reviewed.

In conclusion, I am more concerned than ever that EIS should use TAB to help in accomplishing our objectives. In particular, ADCOM should send the EIS President or representative to each TAB meeting with instructions concerning EIS or Institute matters of concern.

Best regards,

H. R. Sheppard, Mgr. Matls. & Mfg. Technology

/ems

Attach.

CC: Mr. F. A. Furfari, Westinghouse Electric Corp.

CC: Mr. R. E. Larson, Systems Control Inc.



EDUCATION SOCIETY

PRESIDENT

Joseph Bordogna Moore School of Electrical Engineering University of Pennsylvania Philadelphia, PA 19104 USA (215) 243-8120 VICE PRESIDENT

James R. Rowland School of Electrical Engineering Oklahoma State University Stillwater, OK 74074 USA (405) 624-5172 SECRETARY-TREASURER

Bruce A. Eisenstein
Department of Electrical Engineering
Drexel University
Philadelphia, PA 19104 USA
(215) 895-2359

4 August 1980

Dr. Stephen H. Unger 229 Cambridge Avenue Englewood, NJ 07631

Dear Dr. Unger:

I am responding to your letter of 21 July 1980 addressed to IEEE TAB members. I believe you present a succinct and fair account of what transpired at the 18 July TAB meeting in Minneapolis. As a new member of TAB I listened carefully trying to assess both the background involved and the substance of the issue discussed. In my opinion the root problem seems to be a lack of confidence among TAB members in the scholarly quality of material published in Technology and Society. Thus, I think that success with your goal number 3 on page 8 of the Report enclosed with your letter would go a long way toward bolstering your cause.

Basically, everyone wants to be concerned about the societal impact of technology; most also want IEEE to "do something" about it. The trouble is that no one has yet come up with the best approach. Even improving the scholarly image of \underline{T} § will not completely subdue the inherently emotional nature of the topics addressed by CSIT.

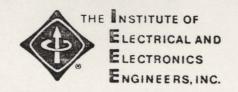
I would urge you to keep on with your attempts to provide a focus for issues of this kind in IEEE.

Sincerely,

Jøseph Bordogna

JB:pr

ct: B. A. Eisenstein



345 EAST 47th STREET, NEW YORK, NEW YORK 10017

TECHNICAL ACTIVITIES BOARD

CHAIRMAN-TECHNOLOGY COMMITTEES ADMINISTRATION
G. P. Rodrique

(404) 894-2944

August 21, 1980

PLEASE REPLY TO: Georgia Institute of Technology School of Electrical Engineering Atlanta, GA 30332

TECHNOLOGY COMMITTEES REPORT

Energy Committee - Mr. Hilton Brown, Chairman

The Energy Committee has held no meetings since the July TAB meeting, at which Hilton Brown gave a report. Their next meeting is scheduled for Tuesday, September 10, at the Crystal City Marriott. Allan Mense, Science Consultant to the House Subcommittee on Energy Research and Production, will be a speaker at lunch to discuss fusion and the status of current federal programs.

Committee on Man and Radiation - COMAR - Professor Ohm Gandhi, Chairman

The next COMAR meeting will take place in San Antonio, Texas, on September 15th in connection with the Bioelectronics Society Annual Meeting September 14-18. At that time members will be asked to consider developing a statement of issues of the day. Medical applications of electromagnetic radiation will probably receive increased emphasis (in order to focus on beneficial aspects as well as refutation of allegations of hazards).

Allan Sloan Assoc. is developing a proposal for the educational film on microwaves. A formal presentation is to take place in San Antonio to COMAR. The first phase of this project will presumably end when COMAR approves the proposed film outline. John Osepchuk is chairing this subcommittee of COMAR.

Environmental Quality Committee - EQC - Bernard Manheimer, Chairman

EQC and in particular Mr. Manheimer, are holding an AISLE meeting in Virginia in October of 1980. IEEE has a representative, Russ Eberhardt, in the Program Committee of this conference. They have also been contacted about possible participation in an AAAS sponsored December meeting in New Delhi on the role of professional societies in developing nations.

EQC and CSIT are discussing some areas of common interest and CSIT has invited EQC to make use of the newsletter to publish relevant articles.

Committee on Social Implications of Technology - CSIT - Professor Steve Unger, Chairman

CSIT will hold their next meeting at Columbia on September 13th. At this meeting the Committee will be asked to consider TAB's rejection of their petition for society status. To date, no official action has taken place within the working committee named to draft an "appropriate constitution".

Possible cooperative ventures with EQC are being explored.

From the desk of

Steve:

Here is my auticle on CSIT'S effort to become a Society. Please review and comment. If you have any update or further comment on CSIT'S plans, I would appreciate the cheence to call them in. Call me at my office 644-7568 anytime. My deadline is 8/26.

Lombardo October

CSIT hits detour on road to Society

The Committee on the Social Implications of Technology has seen its effort to become a chartered IEEE Society sidetracked. CSIT took its petition and its arguments to the Technical Activities Board meeting in July trying to get TAB, which includes the IEEE's seven Division Directors and 32 Society Presidents, to recommend approval of CSIT's petition to the IEEE Executive Committee. Basically, TAB told CSIT leaders to come back later with a more detailed proposal.

Stephen Unger, chairman of
CSIT who made the presentation
to TAB, said that the proposal was attacked by several
Society Presidents because of
views that were aired in the
CSIT publication, Technology
and Society. Dr. Unger said
that many of those against the
proposal argued that CSIT

Lombardo October

was "antitechnology" and "always pointing out the negative aspects of technology."

"But what many of the Society
Presidents don't understand
is that the function of such a
group is to point out problems—
and urge solutions," Dr. Unger
said. "Oùr function is to
address engineers who already
know how good technology is."

1:

The President of the Communications Society, D.L. Schilling, said, "I support CSIT's effort to become a Society. They have a message to deliver and we shouldn't discourage such hard working people in a volunteer organization like the IEEE."

On the other hand, Power
Engineering Society President
John Barkle, said, "The PES
is against the formation of
such a Society. I proposed
that each Society take social
implications of technology upon
itself as a Society matter."
TAB Chairman Robert Larson

said that the negative reaction of many Society Presidents was natural reluctance to create a new Society, "especially one with no technical speciality."

Dr. Larson said that as TAB
Chairman he won't take a
position but "the discussion
on CSIT raised everybody's
consciousness. Now it's up to
CSIT to make the next move."

1:

TAB passed a motion directing

Dr. Larson to set up an ad hoc

committee "to make recommendations

concerning the form such an

entity on the social implication

of technology would take and

to draft a constitution for

its activities." Dr. Unger is

chairing the committee, which

will report back to TAB in

December.

Dr. Unger said that he will suggest to CSIT that it strengthen its position by broadening the involvement of other Societies and will try for a wider diversity of views in CSIT and its publication,

Technology and Society.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

CAMBRIDGE, MASSACHUSETTS 02139

September 22, 1980

Dr. Robert Larson Chairman IEEE Technical Activities Board IEEE 345 E 47th St. New York, NY 10017

Dear Dr. Larson:

I write to support the petition of CSIT to become a Society.

As a former chairman of a struggling Technology Assessment Committee, before that president of SMC, before that Editor of Transactions on Man-Machine Systems (merged into SMC Transactions) I have a long and continuing concern for the purposes and health of IEEE. By my criterion, and I hope you agree, a society needs to have a critical mass of active volunteers engaged in a focused intellectual pursuit which is itself part of what is commonly understood to be electrical or electronic technology.

I observe that CSIT has the critical mass of active volunteers (I am a "member" though not particularly active myself). I further submit that what CSIT is doing is enherently part, and a critical part, of what engineering is all about - namely constructively and responsibly, criticizing the processes and products of electro technology from the viewpoint of society. This, of course, differentiates engineering from science. I only wish the Technology Assessment activities of a decade ago could have provoked as much interest as CSIT has!

From what I read in IEEE publications recently, there are those who criticise CSIT for not having a "technical specialty". If that criterian were applied as it is implied, then the professional groups on Management and on Education, and indeed perhaps even Systems, Man and Cybernetics, the latter emphasizing mathematical models and no particular type of electrotechnology, should cease to exist.

Then there are those who claim CSIT is antitechnology because its members criticize the actions of their fellow technologists. If that were the case, than the most famous scientific societies in history, from the Royal Society on, are anti-science and anti-technology - because criticism of colleagues abounded in these. Unfortunately, modern professional societies are so bent on having meetings and generating publications that, I feel, they fail to appreciate the importance of institutional mechanisms for criticism of their own process and product. Insofar as responsible criticism (and on that adjective I would insist) is put down and not met in appropriate forum, to that degree the health of the institution is weakened.

Dr. Robert Larson

Frankly, I have come to feel that IEEE has become too much a pro-technology lobby and thereby has lost significant credibility as a technical society. I haven't seen any criticism of nuclear power coming from within PES, for example. I do much consulting for the nuclear industry and am not "anti-nuc", but I perceive that PES seems to have been ineffective at addressing the issues of concern to the very survival of the industry in other than defensive terms. Surely, I am not aware of much of what PES has done. But, I think societies such as PES, computers, etc. need the ingredient of analysis and criticism with respect to social implications which CSIT contributes.

There is not much evidence that each society has done very well up to now at developing such activities within itself. I think CSIT's proposal can only make IEEE a healthier and more credible institution.

Sincerely,

Mr Shouten

Thomas B. Sheridan
Professor of Engineering
and Applied Psychology

CC: Prof. Stephen Unger

TAB OpCom/TAB Minutes -61-

budgeted a 1981 deficit, that the Division
Directors be instructed to discuss with these
Societies a quantitative plan for making sure
that their 1982 budgets or fiscal plans are such
as to bring their reserves up to or near their
desired goals. The amended Motion passed
unanimously.

Division Director Simmons requested that the minutes show his suggestion that non-liquid assets should not be included in the reserves.

135. PROPOSED FORMATION OF A SOCIETY ON SOCIAL IMPLICATIONS OF TECHNOLOGY (SSIT). In response to a petition to form an IEEE Society on Social Implications of Technology, signed by more than 800 IEEE members of higher grade, Vice President Larson had appointed an ad hoc committee to make recommendations and prepare a draft Constitution. The Recommendations and Draft Constitution were mailed to all members of TAB under date of November 17, 1980.

At the TAB OpCom meeting it was moved that:

TAB OpCom recommend to TAB that it recommend to the Executive Committee approval of the petition for the formation of a Society on Social Implications of Technology, and that the Society be organized along the general lines of the Draft Constitution dated November 11, 1980. The Motion passed, with Dr. Owens in opposition.

At the TAB meeting the following day, it was moved that:

TAB recommend to the Executive Committee approval of the petition for the formation of an IEEE Society on Social Implications of Technology, and that the Society be organized along the general lines of the Draft Constitution.

On behalf of the Society/Council Presidents' Forum, held on December 3, 1980, Dr. Richard M. Emberson read a draft <u>Guidelines for New Society/Councils</u> for consideration in the debate. There was considerable discussion of all aspects of the desirability of forming a Society as proposed, with many opinions expressed pro and con.

A roll call motion was taken, and the motion passed: 16 in favor, 15 opposed, 9 abstentions.

Vice President Larson advised that the petition will be referred to the Executive Committee for approval and that in the event it is approved, TAB and other cognizant IEEE entities will have further opportunity to discuss the Constitution for the IEEE Society on Social Implications of Technology.

(ref. Appendix LXVIII)

136. FORMATION OF IEEE POWER ELECTRONICS COUNCIL. In the absence of Director Furfari, TAB OpCom asked that this subject be referred to TAB the following day.

At the TAB meeting, those present were referred to the proposal to establish an IEEE Power Electronics Council, presented at the TAB meeting on July 18, 1980, as well as correspondence included with the present Agenda. It was moved that:

TAB approve the creation of a Power Electronics Council and that Mr. Paul F. Pittman of Westinghouse Advance Energy Systems Division, Pittsburgh, be asked to chair an ad hoc committee to handle the details of setting up a Council. The Motion passed. (Dr. Regulinski and Dr. Stampfl asked that their opposition to this Motion be recorded.)

(ref. Appendix LXIX)

137. ENERGY COMMITTEE CHARTER. TAB OpCom, at its July 17, 1980 meeting, approved the Charter of the IEEE Energy Committee, which was subsequently presented to USAB OpCom for approval. Minor revisions were requested by USAB, which were presented to TAB OpCom at this meeting. It was moved that:

TAB approve the Energy Committee Charter as revised. The Motion passed unanimously.

138. NEWSBRIEFS REVIEW. At the August 22, 1980 meeting of TAB OpCom, TAB Staff Secretary Engelson was requested to investigate the alternatives of effectively presenting TAB information to TAB and S/C AdComs, and report back to TAB OpCom at this meeting, after concluding an investigation and consultation with IEEE Public Relations Committee before making final recommendations. Dr. Engelson advised that a survey was made of the effectiveness of this periodical and that his conclusion was that in the future it would be best to issue it only when necessary. During discussion, it was suggested that EE might be utilized for issuing newsworthy information to the active volunteers. It was moved that:

NEWSBRIEFS be published aperiodically to convey information as necessary, and that it cease



Steve:

Here is the vote on the SSIT petition.

I'm planning to NOT include it in the minutes unless ordered to do so. I'll only show the actual count for, opposed and abstentions. Okay?

12/10 eb

TECHNICAL ACTIVITIES BOARD

DECEMBER 4, 1980 MEETING ATTENDANCE

TAB OPCOM

54 IN 2 ABST

Vice President, Technical Activities

Division Directors

Director, Division I
Director, Division II
Director-Elect, Division II
Director, Division III
Director, Division IV

Director-Elect, Division IV Director, Division V Director, Division VI Director-Elect, Division VI Director, Division VII

Director, Standards Activities

TAB Committees Administration

Chairman, TAB Development Committees Administration Chairman, TAB Operations Committees Administration Chairman, TAB Technology Committees Administration Chairman, TAB Finance Committee

TAB Staff Secretary

Robert E. Larson

Jose B. Cruz, Jr.
F. A. (Tony) Furfari
J. Barry Oakes
E. J. (Jack) Doyle
Lawrence K. Anderson

Allan C. Schell
Dick Simmons
Thelma Estrin
Henry L. Bachman
James B. Owens

Irvin N. Howell, Jr. Yモノ

Richard W. Damon
Lawrence K. Anderson
G. P. Rodrigue
Cyril J. Tunis

Irving Engelson

SOCIETIES/COUNCIL PRESIDENTS* 13 NO 64 7 AOSH

Acoustics, Speech and Signal Processing Society Aerospace and Electronic Systems Society

Antennas and Propagation Broadcast, Cable and Consumer Electronics Society Circuits and Systems Society

Communications Society Components, Hybrids and Manufacturing Technology Society Computer Society

Control Systems Society

Council on Oceanic Engineering Education Society Electrical Insulation Society

Electromagnetic Compatibility Society Electron Devices Society

Engineering in Medicine and Biology Society
Engineering Management Society
Geoscience and Remote Sensing Society
Industrial Electronics and Control Instrumentation Society
Industry Applications Society

Information Theory Group
Instrumentation and Measurement Society
Magnetics Society
Microwave, Theory and Techniques Society
Nuclear and Plasma Sciences Society
Power Engineering Society
Professional Communication Society
Quantum Electronics and Applications Society
Reliability Society

Solid State Circuits Council Sonics and Ultrasonics Group Systems, Man and Cybernetics Society Vehicular Technology Society Charles M. Rader
Rudolf A. Stampfl
B. Richard Climie - President-Elect
Richard C. Johnson

Carl F. Kurth No Stephen W. Director - President-Elect

John H. Powers No
Tse-yun Feng
Richard E. Merwin - President-Elect
Russell E. Theisen - Treasurer
James S. Meditch
Harold W. Sorenson - Vice President
Donald M. Bolle - President-Elect
B. A. Eisenstein - Secretary-Treasurer
Harry R. Sheppard
William B. Penn - President-Elect
William E. Cory - EMC Board of Directors
Matt Kuhn
Frederick H. Dill, Jr. - Vice President
Morton D. Schwartz
Charles B. Stott

J. David Irwin
James H. Beall
George F. Bobart - President-Elect
Lee D. Davisson
A. Ray Howland - President-Elect
James M. Lommel - President-Elect
Stephen F. Adam
J. Leon Shohet
John E. Barkle
Bertrand B. Pearlman
Richard G. Smith - President-Elect
Thaddeus L. Regulinski
Naomi J. McAfee - Vice President
W. David Pricer
Thomas W. Bristol
S. Basheer Ahmed
Roger D. Madden

TECHNICAL ACTIVITIES BOARD (Cont'd)

STANDING TAB COMMITTEE CHAIRMEN*

Committee on Large Scale Systems
Committee on Man and Radiation
Committee on Social Implications of Technology
Energy Committee
Environmental Quality Committee
TAB Awards and Recognition Committee
TAB Finance Committee
TAB Meetings Committee
TAB Search Committee
Technical Appraisal Committee
Transnational Relations Committee

James D. Palmer
John M. Osepchuk - Member
Stephen H. Unger
Hilton U. Brown
Bernard H. Manheimer
J. Barry Oakes
Cyril J. Tunis
David C. Hartmann
Richard W. Damon

Stanley Winkler

LIAISON REPRESENTATIVES

RAB Liaison Representative to TAB

Robert W. House

PARTICIPATING STAFF

Manager, TAB General Activities
Recording Secretary

Esmi L. Bidstrup Ruth Tabak

GUESTS/OBSERVERS

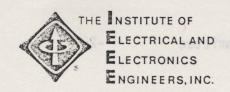
Acting Manager, TAB Committees
Vice President, Publications Board
Director, History Center, IEEE
Chairman, Organizing Committee - IEEE Transactions
on Medical Imaging

Audrey R. Bickel Theodore H. Bonn Robert Friedel

is not observed indicated

Fli Fromm

* - if not otherwise indicated



VICE PRESIDENT, TECHNICAL ACTIVITIES PLEASE REPLY TO:

Dr. Robert E. Larson

26515 Anacapa Drive
Los Altos Hills, CA 94022 (415) 494-1165

December 10, 1980

IEEE Executive Committee TO:

Robert E. Larson, Vice President, Technical Activities FROM:

SUBJECT: Petition to Form an IEEE Society on Social Implications

of Technology

Background

As of December 1, 1980, IEEE Headquarters had received better than 800 signatures on a petition to form an IEEE Society on Social Implications of Technology. A sample petition is attached. Names of more than 100 petitioners have been checked, and it has been ascertained that these people are IEEE members in good standing other than Students, and that the petition is valid in accordance with IEEE Bylaw 502.2.

At its meeting of December 4, 1980, the IEEE Technical Activities Board voted to recommend that the IEEE Executive Committee approve the petition for the formation of a Society on Social Implications of Technology and that the Society be organized along the general lines in the draft Constitution which was included in the agenda book. The motion passed with 16 in favor, 15 opposed and 9 abstentions. A copy of the draft Constitution is attached.

Financial Implications

IEEE Bylaw 502.8 stipulates:

"There shall be provided for each new Society matching funds of one dollar (\$1.00) for each dollar of income derived by the Society from the membership fees during the first two years".

It is estimated that this support will be in the area of \$20,000 a year for the two-year period. It should be noted that the Committee on Social Implications of Technology has received direct and indirect IEEE support for the last eight years. The direct support has averaged \$5,000 a year for the last few years. The indirect (staff) support for this proposed Society will be considerably less than for CSIT.

IEEE Executive Committee December 9, 1980 Action Requested That the IEEE Executive Committee approve the formation of an IEEE Society on Social Implications of Technology and request that a definitive proposal for a Society Constitution be submitted within six months, along with recommendations from the Technical Activities Board as well as other major cognizant entities such as PUB, RAB and USAB. of Technology. A sample petition is attached. Names of more than 100 petitioners have been checked, and it has been ascertained od: Januare Att. and that the Society be organized along the general lines in the draft Implifications of Technology has received direct and indirect IEEE support for the last eight years. The direct support has averaged \$5,000 a year for the last few years. The indirect (staff) support for this proposed

Petition to Form an IEEE Society on Social Implications of Technology

The undersigned IEEE members hereby petition the Executive Committee of the IEEE to authorize the formation of a Society on Social Implications of Technology.

The purposes of the Society are to develop and promote understanding of the interaction between technology and society, to enhance our knowledge of the benefits and detriments of technological options, to support the engineer in the exercise of ethical responsibilities, and to discover and promote means to make technology better serve society.

These purposes will be pursued by publishing a transactions, by publishing a newsletter, by holding meetings and conferences, and/or by any other activities appropriate for encouraging analysis, communication, discussion, and action relating to social implications of technology.

The interests and activities of the present IEEE Committee on Social Implications of Technology, including publication of TECHNOLOGY AND SOCIETY, will be assumed by the new Society.

Signature	Name (please print) . Number (above student grade)
	without your
	5. The belances serveture set toron above will gare the est consists and will thereby serve to ensure
	S.1 A conservative and technological quality will exist in the make-up of the words.
	the desistan processes of the AdCom in its Toleman lessents nor Saciety metters, publications, position coatements and position papers.
	generally be consonant with the consensus of the Society will generally be consonant with the consensus of the LEES.
	assisted ook 5a
	Stephen H. Voger (Chairden)
	Jangang 4 2
Please re	turn signed petitions Stephen H. Unger

as soon as possible to:

229 Cambridge Ave.

Englewood, NJ 07631

TECHNOLOGY AND SOCIETY, MARCH 1980

Recommendation of TAB Ad Hoc Committee on the Formation of an Entity on Social Implications of Technology

November 11, 1980

The Ad Hoc Committee recommends that TAB now enhance and unify the IEEE's overall consideration of the social implications of technology by approving Society status for the activity, and that that it be organized and operated as set forth in the proposed constitution submitted herewith.

The following points are presented in support of this recommendation:

- 1. There will be Divisional Members of the Society AdCom: one AdCom Member, having full voting rights, will be appointed by each of the (currently) 7 divisional Directors.
- 2. There will be 9 Members-At-Large on the AdCom, elected by the Society members.
- 3. With the addition of the Society Officers, immediate past President, Publications Chairman and Chapter Representative (the Vice President and Secretary are to be chosen from among the current AdCom Members), the total number of voting AdCom members will be between 16 and 21.
- 4. Presidents of IEEE Groups and Societies are invited to appoint liaison members, who will participate on the AdCom as Associate Members without vote.
- 5. The balanced structure set forth above will give the new society much of the character of a council and will thereby serve to ensure that:
 - 5.1. A conservative and technological quality will exist in the make-up of the AdCom.
 - 5.2. TAB consensus on any issue will receive due consideration in the decision processes of the AdCom in its formal actions on Society matters, publications, position statements and position papers.
 - 5.3. Actions of the AdCom -- therefore of the Society-- will generally be consonant with the consensus of TAB and with the aims and objectives of the IEEE.

Ad Hoc Committee

Stephen H. Unger (Chairman)

F. A. Furfari

Jack Jatlow

Donald L. Schilling

Proposed Constitution for IEEE Society on Social Implications of Technology

November 11, 1980

Article 1. Name and Objectives

Section 1. This organization shall be known as the IEEE Society on Social Implications of Technology (SSIT).

Section 2. The Society's purposes shall be scientific, literary and educational in character. The Society shall strive for the application of science for the beneficial use of mankind and for the maintenance of high professional and ethical standards among its members, all in consonance with the Constitution and Bylaws of the IEEE and with special attention to such aims within the field of interest of the Society, as hereinafter defined.

Section 3. The Society shall promote close cooperation and exchange of information pertinent to its field of interest among its members and others, and to this end shall hold meetings for the presentation of papers and their discussion, and shall study and provide for the needs of its members and affiliates.

Section 4. All provisions of the Society shall be in consonance with the Constitution and Bylaws of the IEEE.

Section 5. The IEEE SSIT supercedes the IEEE Committee on Social Implications of Technology (CSIT) and shall assume its various functions as appropriate, within the Bylaws of the Society, including publication of Technology and Society and responsibility for the Award for Outstanding Service in the Public Interest. The subscription list for Technology and Society will be used as an initial basis for membership in the Society in consonance with the membership standards of the IEEE.

Article II. Field of Interest

The field of interest of the society shall be the impact of technology (as embodied by the fields of interest of IEEE) on society, including both positive and negative effects, the impact of society on the engineering profession, and professional, social and economic responsibility in the practice of engineering and its related technology.

Article III. Membership

Section 1. IEEE members in any grade may become Members of the Society upon application and payment of fees as prescribed in the Bylaws.

Section 2. The Society may have Affiliates and Honorary Members as prescribed in the Bylaws.

Section 3. There may be special categories of membership with

appropriate fees, as specified in the IEEE Bylaws.

Article IV. Finances

Section 1. The Society shall collect from its members fees as prescribed in the Bylaws.

Section 2. the Society may make registration charges at its Society meetings, symposia, conferences and conventions. The registration fee for nonmembers of the IEEE may be higher than for IEEE members or affiliates.

Section 3. The Society may raise revenues by other means, such as advertising, shows and requests for contributions, provided such means are consistent with applicable rules and regulations, and do not encroach on revenue fields previously established by other Groups, Societies, or Sections. Any new revenue means not explicitly covered by IEEE rules and regulations must be approved by the General Manager of IEEE before being adopted by the Society.

Article V. Administration

Section 1. The Society shall be managed by an Administrative Committee (AdCom) with the following composition:

- 1.1. Divisional Members: Each Divisional Director (currently there are 7) shall appoint a representative to serve a two year term on the Society's AdCom. Such appointment shall be made effective coincident with the start of that director's term of service on TAB. Preferably, such appointments should be made from among the members of the Society, but, in any event, all AdCom members must be members of the Society while in office.
- 1.2. Elected Members: 9 Society members, elected at large by the members of the Society for 3 year terms, no more than 2 of which may be consecutive. (Eligibility is restored after a lapse of one year.) Terms of 3 elected members shall elapse every year. Special arrangements to achieve this effect will be made during the initial election of officers. Nine will be elected, with the 3 receiving the most votes serving 3 year terms, the 3 with the next largest vote totals serving 2 year terms, and the remaining 3 serving one year terms.)
- 1.3. The Society Officers, if they are not members by provisions 1.1, 1.2 or 1.4.
- 1.4. The immediate past President shall serve on the AdCom until replaced by a successor. (This post shall remain vacant until the second President takes office.)
- 1.5. The Chairman of the Publications Committee, if not an AdCommember in some other capacity.
- 1.6. The Chapter Representative, if not an AdCom member in some other capacity.

Section 2. The Officers of the Society shall be the President, the Vice President, The Secretary and the Treasurer. The offices of Secretary and Treasurer may be combined and held by one individual as Secretary-Treasurer.

Section 3. All categories of AdCom members defined in Section 1 shall have full voting privileges.

Section 4. Each Officer and AdCom member must be a member of the Society during his term of office.

Section 5. Organizational entities subordinate to the AdCom may be formed as prescribed in the Bylaws.

Section 6. the President and Vice President of the Society shall each be elected annually by the AdCom for a one-year term. Each may be re-elected, but no more than 2 terms shall be consecutive.

Section 7. To qualify for the positions of President or Vice President, a person must have served at least one year on the AdCom during the past 6 years. (This provision shall not be effective until the Society has been in operation for 3 years.) In order to help keep the AdCom at a manageable size, the Vice President shall be chosen from among those already designated as AdCom members by virtue of provisions 1.1, 1.2 or 1.4. The President may or may not be in this category.

Section 8. The retiring President shall serve as Past-President until displaced by a successor.

Section 9. The newly elected AdCom members, President and Vice President shall assume office on the first day of January.

Section 10. A Secretary shall be appointed from among the AdCom members by the President with the advice and consent of AdCom for a term of one year, and may be so reappointed without limit.

Section 11. A Treasurer (or Secretary-treasurer; if this option is chosen then Section 10 above is void) shall be appointed by the President with the advice and consent of AdCom for a term of one year and may be reappointed without limit. This Officer need not have current or prior tenure as an AdCom member. Because of the complexities of budgeting and fiscal interfaces with IEEE, some continuity in the office of Treasurer is desirable.

Section 12. The following, if not members of AdCom in other capacities, shall be Associate Members of the AdCom having no vote:

- 12.1. Liaison members appointed by presidents of other IEEE Societies or Groups.
- 12.2. Chairmen of Society committees.
- 12.3. Special appointees designated by the President with the

advice and consent of AdCom. The number of these shall be kept to a minimum.

Section 13. Duties and responsibilities of the Officers shall be as defined hereinunder and in the Bylaws and as delineated by the AdCom.

Section 14. The President, under the direction of the AdCom, shall have general supervision of the affairs of the Society. He shall preside at meetings of the AdCom, at general meetings of the Society, and have such other powers and perform such other duties as may be provided in the Society Bylaws, or as may be delegated to him by the AdCom.

Section 15. The President shall be an ex officio member of all committees of the Society. He is a member of the IEEE Technical Activities Board and, when notified of a meeting of said Board, he shall ensure representation of the Society at such meeting by himself or by an alternate. If an alternate cannot be found, the President shall present the views of the Society by a letter of proxy.

Section 16. The AdCom may establish standing or ad hoc committees as prescribed in the Bylaws, including both functional committees (e.g. Awards, Chapters, Membership, Nominations) and technical committees. Technical committees within the Society may be established as needed to develop specific areas of the field of interest. All appointments to committee and similar posts will be for a term not to exceed one year. Committee reappointment can be made without limit. In the event that reappointments are not made, and the affected committees and/or similar posts are not formally dissolved, past appointments shall continue until successors are appointed and take office or until the committees and/or similar posts are dissolved.

Section 17. The AdCom may utilize the services of Headquarters as bursar for all or part of the Society funds. If any part of the Society funds is received and deposited separately, the terms and conditions shall be in accordance with IEEE policies and subject to the provisions of the Society Bylaws and to any special limitations imposed by the AdCom.

Section 18. Neither the Society nor any Officer or representative thereof shall have any authority to contract debts for, pledge the credit of, or in any way bind the IEEE except within prior approved budgets.

Article VI. Nomination and Election of AdCom

Section 1. The nominating procedure for Elected Members of AdCom shall include provision for petition by Society Members to place a name on the ballot. The election procedure shall be prescribed in the Bylaws.

Section 2. Vacancies on the AdCom may be filled by appointments as prescribed in the Bylaws.

Section 1. The Society may hold meetings, conferences, symposia or conventions, either alone or in cooperation with Sectional, Regional or National Convention Committees of the IEEE, or other technical or scholarly organizations, subject to IEEE rules and regulations.

Section 2. Meetings and conferences of the Society shall be open on an equal basis to all members of the IEEE. The Society may not sponsor or cosponsor a meeting which is subject to security clearance.

Section 3. The AdCom shall hold at least 2 meetings each year, one of which shall be designated the Annual Meeting, at a time specified in the Bylaws. Other meetings of the AdCom shall be held a such times as are found necessary and/or convenient. Special meetings of the AdCom may be called by the President of the Society at his own discretion or upon request of 3 other members of the AdCom with at least 30 days' notice.

Section 4. A quorum of the AdCom shall be a majority of those members having voting rights.

Section 5. A majority of the legal votes cast by those members of the AdCom attending a meeting shall be necessary for the conduct of its business except as otherwise specified in this constitution.

Section 6. Business of the AdCom may be handled by correspondence, telephone, or telegraph as appropriate in the opinion of the Officer concerned. When such business involves actions not having the prior approval by majority vote of the AdCom, or is outside its normal policy, approval by majority vote is necessary, unless otherwise provided. Telephone acts are to be confirmed promptly in writing.

Article VIII. Publications

Section 1. Publications undertaken by the Society shall be subject to IEEE policies and to any further guidance or controls prescribed by the AdCom or its duly appointed committees. The Society shall be responsible for the financial aspects of its publication program.

Section 2. The President, with the advice and consent of the AdCom, shall appoint such editors as may be required to implement the publication program. The duties of an editor, and his compensation, if any, shall be prescribed in the Bylaws.

Article IX. Bylaws

Section 1. Bylaws governing the conduct of the affairs of the Society shall be in consonance with the governing laws and policies of IEEE and the constitution. They may be adopted and amended by a two-thirds vote of the AdCom.,

Section 2. A complete statement of a proposed Bylaw or amendment and the reasons for its proposal shall be given to all AdCom and Society memoers at least 30 days before the vote is to be tallied. Inclusion in a Society publication circulated to all Society members shall be

considered adequate notice to Society members.

Section 3. A new bylaw or amendment shall become effective only after a copy has been deposited with the chairman and Secretary of the IEEE Technical Activities Board.

Section 4. A vote on adoption or amendment of the Bylaws may be taken in an AdCom meeting or by letter ballot of AdCom members at the option of the Society President.

Section 5. If the vote is taken in meeting, AdCom members may vote in person or by duly delegated alternate.

Section 6. If a letter ballot is selected, at least 30 days shall be allowed for response.

Article X. Constitutional Amendments

Section 1. Amendments to this Constitution may be initiated by petition submitted to the President by a minimum of 40 members of the Society or by 2/3 majority vote of the AdCom. Each proposed amendment will be transmitted for administrative approval to the IEEE Technical Activities Board (TAB) and to the Executive Committee of the IEEE. If approved by TAB and the Executive Committee, the proposed amendment shall be published in a Society publication distributed to all Society members with notice that it goes into effect unless 40 or more Society members object in writing within 30 days. If such objections are received, a copy of the proposed amendment shall be mailed with a ballot to all members of the Society at least 30 days before the date appointed for return of the ballots, and the ballots shall carry a statement of the time limit for their return to the IEEE office. Approval of the amendment by at least two-thirds of the ballots legally cast shall be necessary for its enactment. For each petition submitted, the AdCom shall prepare summary statements for and against the proposed amendment and a recommendation in the form of a vote of the AdCom concerning its adoption. The summary statements and recommendations shall be transmitted along with the petition to the IEEE TAB and Executive Committee, and shall appear along with he proposed amendment when the latter is published for Society consideration.

Section 2. All amendments to the Constitution shall become effective 30 days after all necessary approvals and notifications, unless a later date has been specified at the time the vote is taken.

and the constitution. They may be adopted and emended by a two-thi

the reasons for its proposal shall be given to all AdCom and Squiety coercers at least 10 days before the vote is to be tallied. Inclusion

9

n t:

45.

or.

3

si is: v: biv: oy pe:

3"

Dr. R. W. Damon Dr. R. W. Lucky Dr. E. W. Ernst Dr. R. J. Gowen

Mr. T. H. Bonn

Dr. L. K. Wilson Dr. R. E. Larson

Mr. C. A. Eldon

Mr. D. C.J. Poortvliet

Dr. L. Young Mr. e. Herz



TECHNICAL ACTIVITIES BOARD

COMMITTEE ON SOCIAL IMPLICATIONS OF TECHNOLOGY

229 Cambridge Avenue Englewood, NJ 07631

December 19, 1980

Dr. Larry K. Wilson 1115 Grandview Drive Nashville, TN 37204

Dear Dr. Wilson:

At its January meeting, the Executive Committee will be considering a petition to form an IEEE Society on Social Implications of Technology.

The Executive Committee Agenda includes a draft constitution proposed by a TAB Ad Hoc Committee consisting primarily of representatives of IEEE Societies that initially opposed the formation of a Society as called for in the petition. It is significant that after careful deliberation, this Committee was unanimous in its positive recommendation that a Society on Social Implications of Technology should indeed be formed.

The enclosed recent issue of TECHNOLOGY & SOCIETY may be helpful in providing additional background concerning IEEE's past activities in this area through CSIT. If I can be of assistance in supplying any further information on this matter, please do not hesitate to call on me.

Yours truly,

Stephen H. Unger Chairman CSIT

Phone Home: 201-567-5923

Office: 212-280-3107

Stephen N. Vingu/mye

MLR/amh

Sent to the Executive Committee Board Members

BCC: A. Bickel

E. Bidstrup

R.J. Bogumil

I. Engelson

F. Kotasek

S. Unger

Locar 125.

Locar 125.

Locar 125.

TAB approves CSIT's request for Society status

The Technical Activities Board

(TAB) has approved the petition

of IEEE's Committee on the

Social Implications of Technology

(CSIT) to be upgraded to

Society status. The request

was to be passed on to the

MANUSCRIPT NOT YET COPY EDITED

Executive Committee, at the which must give the final approval to create a Society for the Social Implications of Technology.

Technology.

request to TAB in July

(see THE INSTITUTE, October

1980, p.4). TAB directed that
an ad hoc committee be formed
to detail the structure of
such an entity and to draft
its constitution. The ad
hoc committee was chaired
by CSIT Chairman Stephen

H. Unger, and consisted of three who had been opposed the society

request—William H. Underwood,
representing the Power Engineering
Society; F.A. Furfari, Division
II Director; and Jack L. Jatlow,
representing the Engineering
Managrement Society—and a

supporter -- Donald L. Schilling, president of the Communications Society.

The ad hoc committee unanimously recommended upgrading CSIT to a Society after

agreeing on a constitution. TAB itself, however only narrowly The novel constitution changed the minds of some of the opponents to the effort

because it gives the Society

some aspects of an IEEE Council, According to the structure it outliness) Dr. Unger said. The Society's administrative committee

for it

would consist of seven members

appointed by the Division Directors and nine members elected by the general Society membership. (A Society's administrative committee

where usually has only elected members; a Countil is made ups of appointed representatives.) Also, any Society president would be allowed to appoint a nonwotking liason representative to the adminstrative committee.

As for the current CSIT, said Dr. Unger, "I think this is something we can live with very well, as we do have some Society appointees

hor my diret meders,

passed the resolution, with

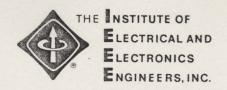
committee chairmen voting

many Society president voting against it and most of the

in CSIT now, some of whom are very active."

He said that he is optimistic that the proposal will be approved by the Executive Committee.





345 EAST 47th STREET, NEW YORK, NEW YORK 10017

TECHNICAL ACTIVITIES

TELEPHONE: 644-7868

December 29, 1980

To: Robert E. Larson

Vice President, IEEE Technical Activities

Esmi L. Bidstrup N

Petition to Form An IEEE Society On Social Implications of Subject:

Technology

We have now checked the names of people who have signed the Petition to Form an IEEE Society on Social Implications of Technology, as of December 23, 1980.

The total number of IEEE members in good standing, (excluding Students) is 824, and the break-out by member grade is as follows:

Fellows	55
Senior Members	188
Members	562
Associates	19
Total	021

Of these 824 IEEE members, 715 belong to one or more IEEE Societies.

The signed petitions are available at IEEE Headquarters, in the Technical Activities Department.

ELB/rg

cc: R. Bogumil

H. Brown, III

I. Engelson

E. Herz

G. Rodrigue

E. Sirjane

S. Unger L

CSI 1 letterhin

229 Cambridge Ave. Englewood, NJ 07631

December 31, 1980

Dr. Bernard Friedland Kearfott Div., Singer Co. 1150 McBride Ave. Little Falls, New Jersey 07424

Dear Bernie:

I much appreciate your recent supportive letters.

The proposal for the new Society will go to the Executive Committee on January 12, and we think chances for approval are good. At this point, I guess the most effective way for you to help would be to write to the Executive Committee (perhaps to Dick Damon- who supported us at TAB-OpCom) or to phone some member of the Executive Committee that you know. Bob Lucky, Eud Eldon, Larry Wilson, and Ed Ernst and Dick Poort Bliet are those with unknown positions. Dick Gowen is probably for us, but I'm not certain and he could be a key man. In the honger run, since TAB will probably get involved again at a later stage in the process, it would be useful if the Control System Society could be persuaded to support us (I believe they abstained at the December TAB meeting). At a more mundane level, circulating our T&S subscription form among colleagues is a way to build our strength in a fundamental way. I hope you will consider becom an active CSIT member again. You might begin by coming to our next meêting on Saturday, January 17, 10:15 a.m. in the EE Conference room (1306A) at Columbia. You would be most welcome.

Regarding Irwin Feerst, I can only say that my view of him was much like yours, but closer observation has shown me that he is predominantly a forcefor divisiveness. His main targets are those in IEEE most active on behalf of the causes that Feerst says he is for: e.g. Bob Rivers, Leo Young, Frank Lord, Vic Zourides, Bob Bruce. His tactics are unprincipalled and vicious.

I wish you a Happy New Year.

Best regards,

Stephen H. Unger

C537 lettere

229 Cambridge Avenue Englewood, New Jersey 07631

December 31, 1980

Dr. Robert E. Larson 26515 Anscapa Drive Los Altos Hills, California 94022

Dear Bob:

I thought that the enclosed letter (to appear in the December issue of T&S) might be useful ammunition at the upcoming Executive Committee meeting in connection with the proposal on the new society.

Best wishes for a happy new year.

Yours truly,

Stephen H. Unger



From the desk of ----

MONA L. REISMAN

Jan. 21, 1981

Dear Steve,

Attached please find a <u>summary</u> of the minutes of the Executive Board Meeting (which I read you over the phone), and the section of the minutes itself which referred to CSIT.

mono

CC: F. Kotasek

J. Bogumil

Exec. Comon New Minures (100)

(5) Bylaws 301.12 and 501.13 - Reimbursement of Expenses for Directors.

The Treasurer was requested to submit, for consideration at the.

April meeting, proposed Bylaw revisions relative to travel reimbursement for Regional Directors and, in parallel, for Divisional Directors. The Treasurer will be invited to attend the TAB meeting in February to receive TAB comments in this regard.

Consideration of Proposed New and Revised IEEE Policy Statements

- A. Recommended for Adoption by Board of Directors
 - (1) Addition to Policy Statement 9.9 Sponsorship of IEEE Meetings, Conferences and Symposia, defining fiscal accountability for these activities, as modified at the meeting.

B. Action Deferred

- (1) Addition to Policy Statement 10.6 Travel Funds for Major Boards and Committees, outlining use of private aircraft by staff and yolunteers on IEEE business, with modifications made at the meeting, was approved in principle for review by legal counsel and further consideration by ExecCom at its February meeting.
- (2) Proposed Addition to Policy Statement 9.10 Invitational Meetings.

 TAB was requested to review the entire Policy Statement 9.10 with special attention given to existing paragraph C and proposed paragraph G of that Policy, with the intent of maintaining distinction between invitational and open meetings.
- (3) Proposed Additional Revisions to Policy Statement 9.9 Sponsorship of IEEE Meetings, Conferences and Symposia. The RAB Major Regional Conventions Committee and the TAB Meetings Committee were directed to study the problem of the lack of financial reporting from many conferences and conventions, and to submit to the ExecCom, for consideration at the April meeting, recommended modifications to Policy Statement 9.9 to make Conference/Convention financial reporting and loan repayments more effective.
- 6. Control of Travel Expenses. The Treasurer was requested to submit, for review at the February ExecCom meeting, draft of notice to Chairmen of all Standing Committees and Boards reminding them of the sharply increased travel costs and the need to exercise controls in all areas of the Institute to minimize these costs in 1981.
 - Travel Funds for Credentials Committee. The sum of \$3K was allocated from 1981 Contingency Funds to cover travel expenses for the Credentials Committee.

Formation of HEEE Society on Social Implications of Technology. The formation of SSIT was approved subject to (1) submission of a formal Constitution within six months, together with recommendations from TAB, EAB, PUB, RAB and USAB, (2) clarification of the field of interest and method of operation to avoid conflict with responsibilities already assigned to USAB and other existing entities of the IEEE, and (3) the field of interest to include the the relationship of the historical development of electrotechnology and its impact on society.

TAB

TAB

כלון י.

TAB

W W

- 9. Allocation of Travel Funds for Credentials Committee. Vice President Gowen moved that funding of \$3K from 1981 Contingency Funds be provided for Credentials Committee operations. (Unanimously approved.)
- 10. Formation of IEEE Society on Social Implications of Technology (SSIT).

 Vice President Larson moved for approval to form a new Society on Social Implications of Technology, recommended by TAB, subject to submission of a formal Constitution within six months, together with recommendations from TAB, EAB, PUB, RAB and USAB.

Treasurer Eldon amended Vice President Larson's motion to approve formation of SSIT subject to clarification of its field of interest and method of operation to avoid conflict with responsibilities already assigned to USAB and other existing entities of the IEEE.

Vice President Bonn further amended the motion to include in the field of interest the relationship of the historical development of electrotechnology and its impact on society.

President Damon called for a vote on Vice President Larson's motion, as amended by Treasurer Eldon and Vice President Suran, which was unanimously approved.

The Bylaws provide that each new Society receive matching funds of \$1.00 for each dollar of income derived from Society membership fees during the first two years. It was estimated that \$20K each year will be required for financial support of this Society over the two-year period.

11. COMAR Documentary Film on Microwaves. Vice President Larson presented a COMAR proposal, recommended by TAB OpCom, calling for development of a documentary film for educational TV on the biological effects of RF waves, to be developed through solicitation of funds in the amount of \$130K from outside sources and \$20K from interested IEEE entities. He moved that the proposal be approved, that solicitation efforts be coordinated through the IEEE Public Relations staff under the supervision of the General Manager, and that distribution plans for the film be examined with those costs included in the proposed budget.

Vice President Gowen amended the motion to specify that approval of the COMAR proposal is given with the understanding that the film present a truly balanced viewpoint worthy of the IEEE, with technical advisory mechanisms to be determined by TAB and USAB. The amended motion was unanimously approved.

The Executive Committee concurred with Executive Director Herz' understanding that (1) the amount of funding to be solicited may include distribution costs, (2) there will be no solicitation of funds from individual members of IEEE, (3) the IEEE Foundation will not be involved with the solicitation program, and (4) the essence of the film's theme will be presented in a one-page summary to the Executive Committee.

Luncheon Recess. The meeting recessed for luncheon at 12:25 p.m. and reconvened at 1:25 p.m.

12. Proposed Procedures for IEEE Budget Deficit Situations. Vice President Larson reported that TAB approved a resolution of the Computer Society



1981 Vice President - Professional Activities

January 22, 1981

Richard J. Gowen
Vice President & Dean of Eng.
hd/J School of Mines & Technology
Rapid Circ., SD 57701
https://doi.org/10.1003/394-2236.office
https://doi.org/10.1003/394-2236.office

1981 1 mited States Activities Board

Richard J. Gowen, Chairman
Richard J. Backe, Vice Chairman
Richard J. Backe, Vice Chairman
Rissell Drew, Vice Chairman
Robert A. Bachman
Robert A. Bachman
Robert A. Backey, Jr.
Hans C. Cherney
Aronn A. Downal
Lobard J. Downal
Lobard J. Downal
Lobard J. Lodricks
Howard B. Hamilton
Rechout B. Heller
David C. McLaren
Peter V. Rosche
Alian C. Schell
Loderick G. Suffield
John M. Thorson, Jr.
David L. Vines
Charles A. Zracket

*USAB Opt our Members

Statt Director:

Test Fannage Test F. State 608 E111 1900 Street, NW -Washington, De 20036 202-785-0017 William C. Farrell C&P Telephone Company of MD One East Pratt St., Rm. 714 Baltimore, MD 21202

Dear Bill:

At the recent Executive Committee meeting the TAB proposal to create a Society on the Social Implications of Technology was referred to USAB for a clarification of apparent ambiguities between the proposed scope of this society and the activities of USAB as noted in the attached excerpt from the Executive Committee Summary (item 8). In particular, concern was expressed for overlap in the areas of ethics, economic, and professional concerns.

I ask that you and your council consider this matter and provide a recommendation for USAB as quickly as possible.

Sincerely,

Les

Richard J. Gowen Vice President for Professional Activities

RJG/jkg Attach.

cc: Dick Damon
Jack Doyle
Steve Unger
Leo Fanning
Eric Herz

CONCERT WAS AND CORE

to USAB for a clarification of apparent ambiguities between use y posed scope of this society and the activities of USAB as noted in

TAB CONCESSION WASHING THE TAB CONCESSION

Description of the second

(3) Bylaws 301.12 and 301.13 - Reimbursement of Expenses for Directors.

The Treasurer was requested to submit, for consideration at the April meeting, proposed Bylaw revisions relative to travel reimbursement for Regional Directors and, in parallel, for Divisional Directors. The Treasurer will be invited to attend the TAB meeting in February to receive TAB comments in this regard.

5. Consideration of Proposed New and Revised IEEE Policy Statements

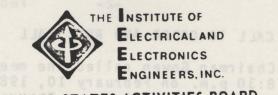
A. Recommended for Adoption by Board of Directors

(1) Addition to Policy Statement 9.9 - Sponsorship of IEEE Meetings, Conferences and Symposia, defining fiscal accountability for these activities, as modified at the meeting.

B. Action Deferred

- (1) Addition to Policy Statement 10.6 Travel Funds for Major Boards and Committees, outlining use of private aircraft by staff and volunteers on IEEE business, with modifications made at the meeting, was approved in principle for review by legal counsel and further consideration by ExecCom at its February meeting.
- (2) Proposed Addition to Policy Statement 9.10 Invitational Meetings.

 TAB was requested to review the entire Policy Statement 9.10 with special attention given to existing paragraph C and proposed paragraph G of that Policy, with the intent of maintaining distinction between invitational and open meetings.
- (3) Proposed Additional Revisions to Policy Statement 9.9 Sponsorship of IEEE Meetings, Conferences and Symposia. The RAB Major Regional Conventions Committee and the TAB Meetings Committee were directed to study the problem of the lack of financial reporting from many conferences and conventions, and to submit to the ExecCom, for consideration at the April meeting, recommended modifications to Policy Statement 9.9 to make Conference/Convention financial reporting and loan repayments more effective.
- 6. Control of Travel Expenses. The Treasurer was requested to submit, for review at the February ExecCom meeting, draft of notice to Chairmen of all Standing Committees and Boards reminding them of the sharply increased travel costs and the need to exercise controls in all areas of the Institute to minimize these costs in 1981.
- 7. Travel Funds for Credentials Committee. The sum of \$3K was allocated from 1981 Contingency Funds to cover travel expenses for the Credentials Committee.
- 8. Formation of IEEE Society on Social Implications of Technology. The formation of SSIT was approved subject to (1) submission of a formal Constitution within six months, together with recommendations from TAB, EAB, PUB, RAB and USAB, (2) clarification of the field of interest and method of operation to avoid conflict with responsibilities already assigned to USAB and other existing entities of the IEEE, and (3) the field of interest to include the the relationship of the historical development of electrotechnology and its impact on society.



UNITED STATES ACTIVITIES BOARD

UNAPPROVED MINUTES

UNITED STATES ACTIVITIES BOARD

FEBRUARY 11, 1981

Vacation Village Hotel Mission Bay San Diego, California 92109

The first meeting of the 1981 United States Activities Board (USAB) was held February 10-11, 1981, in San Diego, California.

MEMBERS:

M.W. A.A. R.C. W.C. R.J. H.B. D.C.	Bachman Buckley, Dougal Drew Farrell Gowen Hamilton McLaren Schell	Jr.		H.C. E.J. J.G. R.J. H.M. H.H. P.A. F.G.	Backe Cherney Doyle Evans Fredricks Grove Heller Rusche Suffield
	Thorson,	Jr.		D.L.	Vines

MEMBERS ABSENT:

R.A.	Barden	C.A.	Zraket

GUESTS:

R W	Damon	S.H.	Durrani
	TO SEE SECTION AND LANGE THE RESIDENCE OF THE PARTY OF TH	R.J.	Frank
		D.L.	Lewis
D.U.	Leon Lillard	C.C.	Olsefsky
	Distanted	Δ1.	Rossoff
		DI	Sprague
	Snyder	A D	Stern
	Starr Man Hazu to at		11-11
R.F.	Tax bas structure, and xaT	0.0.	Mullidee

SUPPORT STAFF: VISITING STAFF:

_	Fanning	T.W. Bartlett
.A. Pretts .S. Walleigh	J.D. Codispoti	
	E. Herz	
	J.L. Gerstenzang	

FR

1.0

CALL TO ORDER AND ROLL CALL

-2-

Chairman Gowen called the meeting to order at 8:30 p.m. on February 10, 1981, following a reception and dinner. The meeting reconvened on February 11, 1981 at 9:00 a.m.

2.0 APPROVAL OF THE ORDER OF THE AGENDA

The order of the Agenda was changed to accommodate presentations by the various members of USAB and guests. The following changes were made:

UNDER ACTION ITEMS

5.10 Proposal of the Ad hoc Committee to
Study the Organization of USAB - was
added to the Agenda upon the request
of E.J. Doyle, Chairman of the Committee.

M/S/C: Heller/Drew/Carried

UNDER NEW BUSINESS

9.1 Engineering Technology Degree Title

It was the consensus of the USAB members, late in the meeting, that this subject be added to the Agenda under NEW BUSINESS.

3.0 CHAIRMAN'S REPORT

3.1 Introduction of the 1981 USAB Program,
USAB and USAB OpCom Members

All members of USAB were present for this, the first meeting of 1981, with the exception of R.A. Barden and C.A. Zraket.

Actions Taken at the January 10, 1981, USAB OpCom Meeting, Washington, D.C.

Chairman Gowen referred to the Summary of the USAB OpCom meeting of January 10, 1981, as seen in the Agenda. He commented particularly on the Council structure and the USAB Program Plan.

Using slides, based principally on the new Program Plan, Chairman Gowen made a presentation on the aims and goals of USAB for 1981. He referred to the new organizational structure, and commented on the advantages to be gained from the Council structure and the financial management structure. He named principal personnel, both volunteer and staff, in the various organizational entities.

5.0

ACTION ITEMS (continued)

5.8 Proposal for the Formation of IEEE Society on Social Implications of Technology

W.C. Farrell, Chairman of the Career Activities Council (CAC), spoke on a Proposal, which had been acted on favorably by the IEEE Executive Committee at its January 12, 1981 meeting, to form a new Society on Social Implications of Technology, (SSIT). The action by the IEEE Executive Committee had been taken subject to "clarification of its field of interest and method of operation to avoid conflict with responsibilities already assigned to USAB and other existing entities of IEEE." The approval action was also taken"....subject to....recommendations of TAB, EAB, PUB, RAB, and USAB."

Several members of USAB spoke on the proposal before it was voted upon.

It was moved that USAB approve the formation of SSIT with the condition that an exchange of liaison members be initiated upon the start of SSIT operations.

M/S/F: Farrell/Thorson/Failed

After this failure to gain USAB approval for the proposal Vice Chairman Backe proposed the following motion:

- 1. USAB applauds the purpose of SSIT "to develop and promote understanding of the interaction between technology and society, to enhance knowledge of the benefits and detriments of technological options, to support the engineer in the exercise of ethical responsibilities and to discover and promote means to make technology better serve society."
 - 2. USAB is not convinced that the proper structure, or areas of activity, for implementing these purposes is as set forth in the proposed constitution.
- 3. USAB encourages further dialogue concerning the establishment of this society.

M/S/C: Backe/Bachman/Carried

5.0

ACTION ITEMS (continued)

5.9

Approval of Appointments-USAB Vice Chairmen, Treasurer, & PAC Chairman, USAB OpCom Regional Director (liaison to RAB), Divisional Director (liaison to TAB), and two USAB Members-at-Large

USAB approved the appointments of:

Vice Chairman Richard J. Backe Vice Chairman Russell C. Drew RAB Liaison Representative Frederick G. Suffield TAB Liaison Representative Edward J. Doyle USAB PAC Chairman Ronald J. Fredricks USAB Treasurer Peter A.E. Rusche

M/S/C: Doyle/Farrell/Carried

5.10 Proposal of the Ad hoc Committee to Study the Organization of USAB

E.J. Doyle, Chairman of the Ad hoc Committee to Study the Organization of USAB, presented a report to USAB setting forth a rationale for a number of changes in USAB. He explained that this was a further development of the study which has been made by his Committee which was established in June 1980 at the direction of USAB and was an outgrowth of the Quinquennium Review Committee of USAB and the subsequent USAB Ad hoc Commitee. Some changes recommended earlier by the Committee had led to the establishment of the USAB Councils.

Committee Chairman Doyle recommended the acceptance by USAB of the first resolution contained in the soasano of vreport. has vpolonass

Regional Director, A.A. Dougal, objected to this proposal on the grounds that the report, which had just been received by USAB Members, covered recommendations which were quite far reaching and which required study. He therfore moved to table the resolution. 3 don 21 8A2

M/S/C: Dougal/Drew/Carried

USAB took action to receive the report, commend The committee (E.J. Doyle, H.H. Heller, D.C. McLaren P.A. Rusche, and J.B. Snyder) for their efforts in developing the report, and to dissolve the committee.

M/S/C:

Backe/Farrell/Carried

Columbia University in the City of New York New York, N.Y. 10027 DEPARTMENT OF COMPUTER SCIENCE Seeley W. Mudd Building 2/24/81 Dear mora: Enclosed to the SSIT Constitution druft (dated 2/23/81) to be voted on by those on CSIT roster. by the following note/ballot: (I've worked they'out with Jeff) by R.J. Bogumil, was appointed to review the 55IT Orgt

Constitution. The evelosed draft, dated 2/20/81, is a slightly edited version that the subcomments be endorsed by CSIT. Following such endorsement, it will be circulated by TETE entities and eventually to the affection Country of Tett for its approval. Please respond without delay; ballots should be postmuched no later than (date part 10 days)"

IN FAVOR D OPPOSED D ABSTAIN

Commits:

name: you the Up