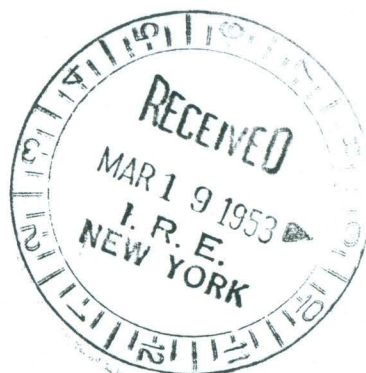


JET PROPULSION LABORATORY
CALIFORNIA INSTITUTE OF TECHNOLOGY
4800 OAK GROVE DRIVE
PASADENA 3, CALIFORNIA

March 16, 1953



Mr. L. G. Cumming
Institute of Radio Engr.
1 East 79 St.
New York 21, N. Y.

Dear Larry:

Including the twelve people named to the Administrative body, the following I.R.E. members have approved by letter or signed a petition for a "Component Parts" group.

- | | |
|------------------------|-----------------------------|
| ✓ 13. G. B. Devey M | ✓ 32. D. R. Sheriff M |
| 14. S. F. Danko M | ✓ 33. N. E. Waldschmidt A |
| ✓ 15. R. E. Moe SM | ✓ 34. W. G. Hodson SM |
| ✓ 16. J. C. Munger A | ✓ 35. R. C. Dye A |
| ✓ 17. T. D. Fuller A | ✓ 36. W. A. Farrand M |
| ✓ 18. Y. S. Loy A | ✓ 37. T. C. Woodard A |
| ✓ 19. C. C. Olsefsky A | ✓ 38. W. Fitzwater, Jr. M |
| ✓ 20. Leigh Karaki A | ✓ 39. K. P. Gow A |
| ✓ 21. J. Ekparian A | ✓ 40. V. C. Meigs A |
| ✓ 22. T. Schachat M | ✓ 41. R. R. Mosier A |
| ✓ 23. H. M. Hoffart A | ✓ 42. C. A. Rypinski, Jr. A |
| ✓ 24. D. Whelan A | ✓ 43. V. S. Bettencourt A |
| ✓ 25. C. E. Lipman M. | ✓ 44. J. J. Fiske M |
| ✓ 26. Edwin Block A | ✓ 45. E. T. Howes A |
| ✓ 27. W. Wagnseil SM | ✓ 46. M. L. Swan M |
| ✓ 28. J. E. Cohen A | ✓ 47. F. W. Lynch A |
| ✓ 29. E. Steele A | ✓ 48. F. B. Coker A |
| ✓ 30. H. R. Guptill A | 49. L. H. Tejada Flores A |
| ✓ 31. S. R. Tong A | |

All of the information collected to date will, of course, be brought to New York.

How soon after the Professional Groups Committee action and the Executive Committee's action should the local chapter move a petition?

Very truly yours,

Floyd A. Paul
Floyd A. Paul
Research Engineer

FAP:al

Proposed

PROFESSION. GROUP ON "ELECTRONIC EQUIPMENT PRODUCTION TECHNIQUES"

The common conception of radio engineering and its associated industries is influenced a great deal by the character of the articles that appear in the Proceedings of the I.R.E. However, very few of these articles deal with the problems that confront a substantial group of members, those who convert the one-dimensional "lines of thought", and the two dimensional "block diagram, pages of equations and circuit diagrams" into the three-dimensional equipment, the sale of which gains a livelihood for all groups.

The advance of electronic methods into many new fields where potential advantages have been shown, is dependent on the satisfaction given to users by the use of electronic methods in similar fields. Any great amount of dissatisfaction reported for some application because of unreliability, excessive maintenance or high costs, brings about a reluctance to introduce electronic methods into similar fields of application.

A large proportion of the responsibility of producing adequate equipment lies with production engineers, who take the bread board models, and the paper reports of the designers and produce trouble-free commercial articles at reasonable cost.

Engineers in all companies introduce new and ingenious fabrication and assembly techniques, conquer problems of handling unusual materials that provide better operation under conditions of extreme field hazards of one sort or another, or develop major changes in the overall design, assembly and appearance of the apparatus.

They are ever on the alert to investigate new manufacturing processes and materials, some of which may be used in entirely unrelated fields, to enable their employers to compete with the equally-alert production departments of their competitors.

Details of some of these techniques and processes have appeared in technical journals but very few articles bearing on these problems have appeared in the Proceedings of I.R.E.

We believe that the establishment of a Professional Group of "Electronic Equipment Production Techniques" is warranted to further the collection and distribution of information in such fields, using the methods that are so effective in other Professional Groups, by meetings, conferences and publications. Specifically, the undersigned group asks for a charter to promote technical progress in methods for fabricating and manufacturing electronic equipment by collecting and distributing information on new advances in manufacturing techniques, the use of handling of new materials and the details of how to improve operating simplicity, reliability and appearance of equipment of all kinds.

Ralph R. Batcher, *Organizer*

Signatures:

- 3 Ralph R. Batcher F1199 Radio TV Mfg. Assoc., 489 5th Ave. New York 17

- 9 Lewis M. Clement F39977 Crosley Div., Avco Mfg. Corp., 1329 Arlington St. Cincinnati

- 25 Donald B. Nason ML7877 Crosley Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati C

- 37 Louis R. Zimov A24959 Crosley Div., Avco Mfg. Corp. 4890 Spring Grove Ave., "

- 5 G.L. Bossard ML2162 Fairchild Design Service Inc. 2012 W. 25 St., Cleveland 13.

- 20 C.E. Kilgour F3764 Crosley Div., Avco Mfg Corp. Arlington St. Cincinnati 13 Ohio

Please return to: Ralph R. Batcher, RETMA, 500 Fifth Avenue, Room 1015, New York 36, N.

Approved: 8-17-53
Amended: 4-12-55

CONSTITUTION FOR THE PROFESSIONAL GROUP ON COMPONENT PARTS

Article I

Name and Object

Section 1. This organization shall be known as the IRE Professional Group on Component Parts of the Institute of Radio Engineers, Incorporated.

Section 2. Its objects shall be scientific, literary, and educational in character. The Group shall strive for the advancement of the theory and practice of radio engineering and of the allied arts and sciences, and the maintenance of a high professional standing among its members, all in consonance with the Constitution and Bylaws of the IRE and with special attention to such aims within the field of interest of the Group as are hereinafter defined.

Section 3. The Group shall aid in promoting close cooperation and exchange of technical information among its members and to this end shall hold meetings for the presentation of papers and their discussion, and through its committees shall study and provide for the needs of its members.

Article II

Membership

Section 1. The membership of this Group shall be limited to those members of the IRE of any grade.

Article III

Field of Interest

Section 1. The Field of Interest of the Group shall be confined to the characteristics, limitations, applications, development, performance and reliability of Component Parts and shall include scientific, technical, industrial or other activities that contribute to this field, or utilize the techniques or products of this field, subject, as the art develops, to additions, subtractions, or other modifications directed or approved by the IRE Committee on Professional Groups.

THE INSTITUTE OF RADIO ENGINEERS, INC.
1 EAST 79 STREET, NEW YORK 21, N. Y.

March 31, 1954

→ TO: The Executive Committee
FROM: W. R. G. Baker, Chairman
Professional Groups Committee
SUBJECT: Professional Group on Production Techniques

*Check with
English + send
Baker*

Enclosed herewith is a petition for the formation of an IRE Professional Group on Production Techniques, which was approved by the Professional Groups Committee at the meeting held on March 24, 1954.

In accordance with the instructions of the Board of Directors, this petition will be placed before the Executive Committee for appropriate action at the April 13, 1954 meeting.

*4-19 Bratcher + LSC phone
conversations - Bratcher will
get the top together in
Washington on May 19th at
the Reliability meeting -*

REPORT FROM THE CHAIRMAN

The past year has seen a constant growth in the membership of the Professional Group on Component Parts. The activities of this group have aided in stirring further interest in this field of electronics which has to do with the basic building blocks of the trade, namely, Materials and Component Parts.

Industry, particularly the military, has recognized the need for emphasis in this phase of electronics. The Component Part Engineer has been assured of a vocation. So long as there is complex electronic equipment or an accent upon reliability, the Component Part Engineer will find himself a vital part of the team which builds reliable equipment.

To keep you informed of PGCP activities and progress, the following summary is presented to highlight the significant historical items of 1954:

MEMBERSHIP: Our group was formed in May of 1953. At the close of that year, we had approximately 375 paid members. During 1954, we added memberships from several foreign countries as well as throughout the United States, and at the year's end had a paid membership of 596, plus four student members and 178 unpaid members. It seems reasonable to expect a membership of 1,000 by the close of 1955.

ADMINISTRATIVE COMMITTEE MEMBERS: The PGCP Administrative Committee lost two members this past year. Mr. Harold May changed company affiliations and found it difficult to remain active with the group. Dr. William Tuller was killed in a plane crash the latter part of 1954, and, hence, another vacancy was left. Mr. Floyd E. Wenger was appointed to fill the position vacated by Mr. May. Dr. Tuller's position has not yet been filled.

CHAPTERS: Our group had four chapters at the beginning of 1954 and added a fifth during the year. It appears that two more chapters are imminent early in 1955. The present Chapters and their Chairmen are as follows: Dayton - F. E. Wenger; Los Angeles - R. R. W. Lacey; Washington - G. Shapiro; Philadelphia - D. C. Bowen; and New York - J. J. Drvostep.

Leon Podolsky has surveyed the chapter activities and reported on their progress. It seems appropriate to extract portions of his report and present them herewith:

Dayton - The Dayton Chapter presently has twenty-nine paid members and meets monthly after each Dayton Section meeting. Mr. Floyd Wenger is Chapter Chairman. A continuous program through 1954 and 1955 is being carried on. A wide variety of component subjects on a high technical level are scheduled. This group has an active membership campaign under way and has plans for sending several technical papers to Headquarters for publication.

Washington - Mr. Gustave Shapiro is Chairman of this Chapter, which has thirty-five paid members. The Chapter meets monthly and has a continuous technical program of papers which is planned two months in advance. This Chapter has an extensive membership drive under way but has found that a large number of Defense Department civilian employees who are interested in the components work of the PGCP are not IRE members, so that the Chapter has a double selling job to do -- both for IRE membership and PGCP membership.

Los Angeles - Mr. R. R. W. Lacey, Chairman of the Los Angeles Chapter, reports that their first meeting was held September 13, 1954, and the second on November 8. The following meetings are scheduled for 1955: January 10, March 7, May 9, and September 12. There are approximately seventy members in this Chapter and it seems to be active and expanding. Mr. R. Colander was the first Chairman of the Los Angeles Chapter (1953-54).

Philadelphia - This Chapter has an active program, regarding both membership and technical papers, under Chairman D. C. Bowen. The Chapter has approximately seventy-five members. The PGCP group has been holding meetings on alternate months with attendance of approximately thirty to thirty-five per meeting. There is excellent cooperation between the PGCP Chapter and the Section. A joint meeting of PGCP and PGED is planned for early 1955.

New York - The New York Chapter has just been formed under the organizational efforts of Mr. J. J. Dvostep. There is no report at this time.

PUBLICATIONS: There were three publications distributed by PGCP during 1954. Two publications were Transactions and one was a Convention Record.

<u>Issue</u>	<u>Issue Date</u>	<u>Title</u>	<u>Number of Papers</u>
1	March 1954	PGCP No. 1 - Transactions	4
2	July 1954	Convention Record - Vol. 2, Part 3 (PGCP and PGED Papers)	25
3	Sept. 1954	PGCP No. 2 - Transactions	8
4	March 1955	PGCP No. 3 - Transactions	4

SPONSOR ACTIVITIES: The PGCP was associated with and sponsored the following technical programs during 1954: (1) Two sessions in the New York IRE Convention (March); (2) 1954 Electronic Components Symposium (May); (3) Two sessions in WESCON (August).

There were several plans and proposals made this past year by the PGCP Administrative Committee, which may culminate into active programs in the near future. It appears the Committee will have a full agenda for the coming months. However, busy as the Committee is, it is always ready to accept suggestions and proposals from PGCP members to increase the membership and to support programs that are in line with our constitution and by-laws.

Most of the Committee Chairmen have spent many long hours and much personal time to keep their phase of our activity in pace with the growth of our group. The Committee as a whole has had an intense interest in the welfare of the Professional Group on Component Parts. Because of their work, effort and interest, the PGCP has grown rapidly. It seems probable that a few years passing will see the PGCP one of the larger Professional Groups within the IRE.

It is the personal hope and wish of the Chairman that this year's election of Committee members and officers of the PGCP Administrative Committee will cause "new faces" to appear and, hence, a new stimulation of force and energy will be exerted into the Committee.

Floyd A. Paul, Chairman,
Professional Group on
Component Parts, IRE

Petition
CP

Approved by the
Board of Directors
3-27-53

Group Formation Petition



Committee on Professional Groups and
Board of Directors:

The undersigned do hereby petition for the formation of an IRE
Professional Group on Component Parts in the field of interest of

The scope of this Group, if approved, will encompass the character-
istics, limitations, applications, development, performance and
reliability of Component Parts.

The scope will also include, scientific, technical, industrial or
other areas that contribute to the field of interest, or utilize the
techniques or products of this field where necessary to advance the
art and science in this field, subject, as the art develops, to
additions, subtractions, or other modifications directed or approved
by the Institute Committee on Professional Groups.

The proposed Group is a new Group.

The following differentiates the field of interest of the
proposed Group from those of prior Groups about which misunder-
standing might occur: The field of interest of this group lies in
the Component Part and not the completed package.

The undersigned and other members of the Institute interested in
forming this Group arrived at their decision to petition for the
formation of the Group through the following discussions or meetings:
Correspondence to all and discussions among some of the administrative
committee.

The undersigned have named the following as desirable members of
the Administrative Committee and ask that they be named for those
offices for the year indicated:

1-year terms

2-year terms

3-year terms

J. A. Csepely ✓

C. G. Walance

F. A. Paul ✓

H. E. May ✓

G. Shapiro ✓

L. Podolsky ✓

M. Ainsworth

W. G. Tuller ✓

J. T. Brothers ✓

L. K. Lee ✓

W. R. G. Baker ✓

A. W. Rogers ✓

all
members IRK

CP
Bylaws

March 20, 1956

IRE PROFESSIONAL GROUP ON COMPONENT PARTS

BYLAWS

1. Nominations Committee - On or before July first of each year, the Chairman shall appoint a Nominating Committee which shall consist of a Chairman and four members, two of which shall be elected members of the Administrative Committee, one of which may be the National Chairman (the National Chairman can not be the Chairman of the Nominating Committee).

2. Nominations - Before the time of the Election Meeting of the Administrative Committee, the Nominations Committee shall submit to the Administrative Committee two names for each vacancy to occur in the Administrative Committee for terms expiring July 1. Nominations by petition signed by 25 members of the Group will also be received by the Administrative Committee.

3. Election Meeting - The Administrative Committee shall hold a meeting each year during March at which elections will be made to fill vacancies in the Administrative Committee to occur on the succeeding July 1. If two nominees are not available for each vacancy, the Administrative Committee may add nominees if any members thereof sees fit to do so. A plurality of votes shall elect. The Administrative Committee may make contingent elections to be effective in case an elected member fails to accept the office, or a disapproval is received from Headquarters. The names of the elected members shall be transmitted to the Chairman of the Committee on Professional Groups and through him to the Institute Executive Committee. Unless disapproval of such elected members is received within 60 days of such transmittal, the elections shall become final.

3a. The Administrative Committee shall elect at the Election Meeting a Chairman, Vice Chairman, and Secretary Treasurer for the Administrative Committee for the year beginning on the succeeding July 1st by secret ballot. At least one nominee for each of these posts shall be chosen by an Ad Hoc Committee consisting of the three Administrative Committee Members of the Nominating Committee and these nominations circulated to all members of the Administrative Committee by March 1st. Other nominations may be made from the floor at the meeting.

3b. The retiring National Chairman shall be appointed automatically a member of the Administrative Committee for a term of two years.

3c. The Chapter Chairmen shall be appointed automatically Ex Officio Members of the Administrative Committee for their tenure of office as Chapter Chairmen.

3d. Vacancies in the Administrative Committee caused by death or resignation shall be filled in the following manner: within 30 days, or the tenth of the following month whichever is the greater, after the vacancy is caused the Chairman shall notify the Chairman of the Ad Hoc Committee; within 30 days, or the tenth of the following month whichever is the greater, the Ad Hoc Committee shall forward nominations for the vacancy to each elected Member of the Administrative Committee; within 30 days or the tenth of the following month, whichever is the greater, votes shall be mailed to the National Chairman and the Secretary Treasurer who will jointly announce the results. The Tenure of office for the newly elected Member shall be the balance of the term of the replaced Member.

THE INSTITUTE OF RADIO ENGINEERS

INCORPORATED

PROFESSIONAL GROUP CORRESPONDENCE

October 2, 1960

Al Gray
PLEASE ADDRESS
REPLY TO

ARTICLE III
(For G-22, PGPEP Constitution)

ASTRONICS RELIABILITY, Inc
Florida National Bank Bldg.
One North Orange Avenue
Orlando, Florida

Field of Interest

SECTION 1. Recognizing that the aims and activities of most other IRE Professional Groups are directed primarily toward improving Performance within their specialized areas, the field of interest of this Group shall be confined to the promotion of technical progress in Product Engineering and Production for electronic and electro-mechanical equipment. This shall be accomplished by collecting and disseminating information on theories, studies, practices, methods, materials, component-parts application, techniques, and processes.

This Group subscribes to the statements that Product Engineering has not been well done unless it has considered both the theoretical and the practical aspects of engineering for environment, reliability, and human engineering; and that production techniques, manufacturing processes, and engineering for producibility should be regarded as completely integrated developments. The field of interest of the Group shall therefore specifically encompass:

- (1) Analysis and Engineering for Environment and Reliability -- including stress analysis, vibration transmissibility and magnification, shock, heat transfer, equipment accelerated life testing, protection from humidity and fungus, etc.
- (2) Product Engineering for Producibility and Human Engineering -- including value engineering and cost reduction, and analysis of basic trade-offs between weight, space, performance, cost, etc.; also hardware design areas of human engineering in cooperation with the Human Factors Group.
- (3) Production Techniques -- including hand tooling, semi-automatic assembly, and automation techniques.
- (4) Manufacturing Processes -- including related plastic, chemical, electro-chemical, metallurgical, and ionic-deposition processes.

In general, this field of interest shall encompass analytical studies of requirements, and advances in any of the phases within the scope of the Group, from research, analysis, preliminary design and development, through production and end-use.

Emphasis will be given to: (a) the development of advanced concepts and techniques of circuit packaging, assembly, and wiring (such as encapsulation, micro-miniaturization, circuit synthesis by vacuum-deposition, rate-grown solid-state circuitry, etc.), (b) the use of such concepts and techniques to improve miniaturization, operating simplicity, environmental integrity, reliability, producibility, serviceability and associated aspects of equipment design, (c) the development of advanced manual and automatic methods, machines, processes, and production techniques (such as automatic insertion of component parts, etching of copper laminate, and automatic area soldering), and (d) the use of such advanced manual and automatic methods to improve uniformity, producibility, cost reduction, and reliability.

This scope shall also include scientific, technical, industrial and other areas that contribute to the field of interest or utilize the techniques or products of this field, where necessary to advance the art and science in this field, subject, as the art develops, to additions, subtractions or other modifications directed or approved by the IRE Professional Groups Committee.

THE INSTITUTE OF RADIO ENGINEERS

INCORPORATED

PROFESSIONAL GROUP CORRESPONDENCE

October 2, 1960

W. Gray
PLEASE ADDRESS
REPLY TO

ARTICLE III
(For G-22, PGPEP Constitution)

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- (2) Product Engineering for Producibility and Human Engineering -- including value engineering and cost reduction, and analysis of basic trade-offs between weight, space, performance, cost, etc.; also hardware design areas of human engineering in cooperation with the Human Factors Group.
- (3) Production Techniques -- including hand tooling, semi-automatic assembly, and automation techniques.
- (4) Manufacturing Processes -- including related plastic, chemical, electro-chemical, metallurgical, and ionic-deposition processes.

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Emphasis will be given to: (a) the development of advanced concepts and techniques of circuit packaging, assembly, and wiring (such as encapsulation, micro-miniaturization, circuit synthesis by vacuum-deposition, rate-grown solid-state circuitry, etc.), (b) the use of such concepts and techniques to improve miniaturization, operating simplicity, environmental integrity, reliability, producibility, serviceability and associated aspects of equipment design, (c) the development of advanced manual and automatic methods, machines, processes, and production techniques (such as automatic insertion of component parts, etching of copper laminate, and automatic area soldering), and (d) the use of such advanced manual and automatic methods to improve uniformity, producibility, cost reduction, and reliability.

This scope shall also include scientific, technical, industrial and other areas that contribute to the field of interest or utilize the techniques or products of this field, where necessary to advance the art and science in this field, subject, as the art develops, to additions, subtractions or other modifications directed or approved by the IRE Professional Groups Committee.

*Signed
merger agreement
C. P. Adcomm & By-Laws Book*

MERGER AGREEMENT

We hereby petition to the IEEE Technical Operations Committee and the Professional Groups Committee for a merger of the Electronics Transformer Committee of the Science and Electronics Division of T. O. C. and the IEEE Group-Component Parts.

The name of the combined group will be IEEE Group-Component Parts and the merged group will operate under the revised constitution and by-laws as approved by the Electronics Transformer Committee and the CP Adcomm and the manual for the operation of Technical Committees, and will continue to publish the Group Transactions under the present Editor and publications committee with the aid and cooperation of the Technical Committee on Electronic Transformers.

Two members of the Electronics Transformer Committee are now members of the C. P. Adcomm and the Electronics Transformer Committee has participated in the 1964 Electronic Component Conference held in Washington, D. C., May 1964, and is participating in the 1965 conference.

The Electronics Transformer Committee will become a technical committee under the revised Group and will function, as in the past under T. O. C., in the areas of papers procurement, Review and preparation of Standards which will be coordinated by the IEEE Standards Committee.

The Agreement for Merger was approved by the Electronics Transformer Committee and the Adcomm of G-CP at separate meetings on May 1964 and has been held pending final approval of the revised By-Laws.

We request, therefore, the final approval of the IEEE T.O.C. and Groups Committee and authorization of IEEE headquarters for all necessary action so the merger of the G-CP and the Electronics Transformer Committee can become effective as of January 1, 1965.

Rueben Lee

Rueben Lee
Chairman, E. T. C.

Dec. 8, 1964

Louis Kahn

Louis Kahn, Chairman
Group C.P. Administrative
Committee

Dec 4, 1964.

Jan 1969
IEEE Group on Part
Materials, Packaging

Article III.

Field of Interest

Section 1. This Group shall cover the scientific, engineering, and production aspects of Component Parts and Materials; and all of the product design and production aspects of electronic equipment and other activities that contribute to this field. This includes application of parts and materials in equipment and the techniques of assembly generally referred to in the profession as "packaging." Emphasis shall be placed on new advances in all these areas. The details of the Group's coverage, as well as some areas of exclusion are as shown on Figure I attached.

Section 2. The field of interest of the Group may be enlarged, reduced or shifted moderately as the needs of the occasion indicate with the provision that such revisions shall be processed as an amendment to this constitution.

Article IV

Financial Support

Section 1. The Group shall collect from its members an annual assessment or fee, in accordance with the IEEE bylaws and applicable rules and regulations. The amount of the fee shall be prescribed in the bylaws.

Section 2. The Group may make registration charges at its Group meetings, symposia, conferences, and conventions. The registration fee for non-members of the IEEE may be higher than for IEEE members.

Section 3. The Group may raise revenues by other means, such as advertising, exhibitions, requests for contributions, and charges for sending out notices to non-Group members, provided such means are consistent with applicable IEEE rules and regulations, and do not encroach on revenue fields of prior established groups or sections. Any new revenue means not explicitly covered by IEEE rules and regulations must be approved by the General Manager, before being adopted by the Group.

Article V

Organization

Section 1. The Group shall be managed by an Administrative Committee of 18 members of the Group plus members "ex-officio with vote" as specified in the bylaws. (There may also be members "ex-officio without vote")

of both conventional elements and microelectronics.

PHP- MfgT-#

March 7, 1975

Dr. R. F. Cotellessa
Professor and Chairman
Department of Electrical
and Computer Engineering
Clarkson College of Technology
Potsdam, New York 13676

Dear Bob:

This note pertains to conversations about the possibility of merging the PHP-21 and MfgT-35 Groups. Most people seem to think that the ancient and honorable PHP-21 is the strongest component of the possible merger

Group vitality depends upon the individual leadership. You know that Dave Feldman is having a difficult time finding anyone in PHP-21 willing to pick up the duties of President in 1975. On the other hand, Gerry Kutcher seems to be creating a lot of activity for MfgT-35 in the Boston area. For your information, I enclose copies of November and February issues of a Newsletter he produces.

My purpose in writing particularly is to caution against any "high level" decisions that MfgT-35 must be forced out of existence through a merger with PHP-21. This may be a wise and proper step, and it should evolve naturally through the officers of the two Groups, not from dictation from IEEE financial managers and administrators.

With best wishes,

Sincerely,

Richard M. Emberson
Director
Technical Services

jcc
Enclosure
cc: R. W. House

cc Alba

Alba - Pbs established
files for PFC
u

ELIS, OR, M.



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.



IEEE

MAR 30 1981

COMPONENTS, HYBRIDS AND MANUFACTURING TECHNOLOGY SOCIETY

MEMBER ACTIVITIES

PLEASE REPLY TO:

IBM Corporation
Old Orchard Road
Armonk, NY 10504

March 25, 1981

Mr. Paul F. Pittman
Westinghouse Electric Corp.
Research & Development Center
1310 Beulah Road
Pittsburgh, PA 15235

Dear Mr. Pittman:

In your capacity of chairman of the committee to organize an IEEE Power Electronics Council, I would like you to include the Components, Hybrids and Manufacturing Technology Society (CHMT) as one of the organizations interested in participating. Our scope of interests focus on electronic component technology which, in the area of power electronics, includes power semiconductors, transformers, inductors, capacitors, resistors, hybrid power regulators, etc.

To represent CHMT as a contact and liaison to your committee and hopefully ultimately to the council, I have appointed Dr. William M. Portnoy of Texas Tech University, Lubbox, Texas 79409 (Telephone # 806-742-3532). Dr. Portnoy is very active in the field of power semiconductors and is slated to be the chairman of the 1983 Power Electronic Specialists Conference. CHMT also has several technical committees with interests related to power components that could potentially contribute to council activities.

Please keep Dr. Portnoy and myself advised of your progress and give CHMT an opportunity to review your charter.

Sincerely,

John H. Powers
President, CHMT

JHP:rad
cc: Dr. Irving Engelson
Dr. H. J. Gisler
Dr. W. A. Porter
Dr. William M. Portnoy
Dr. Allan C. Schell



IEEE TECHNICAL ACTIVITIES

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
445 HOES LANE, P. O. BOX 1331, PISCATAWAY, NJ 08855-1331, U.S.A. (201) 562-3900 TELEX 833-233 FAX (201) 562-1571

(201) 562-3901

July 24, 1990

TO: Members of the IEEE Technical Activities Board

FROM: Dino Sethi, Society Administrative Services
Director

SUBJECT: Revision to Field-Of-Interest Statement of the
IEEE Components, Hybrids, and Manufacturing
Technology Society (CHMT)

SUMMARY: CHMT wishes to add both thermal management and reliability to its Field-Of-Interest Statement and requests TAB endorsement.

At its May, 1990 meeting the CHMT AdCom voted to revise the Society's Field-Of-Interest Statement on the grounds that while the Society has been involved for many years in thermal management and reliability aspects of electronic components and packaging, this was not clearly indicated in the Society's Field-Of-Interest Statement. With the formation of a Technical Committee on Thermal Management and proposals for a Committee in the area of reliability the Society feels a revised Statement is appropriate.

The current Field-Of-Interest Statement and the proposed changes are attached.

In order to give other IEEE Societies' AdComs sufficient time to review the proposed change, a formal request for endorsement of the revision by TAB will not be made until the November meeting.

Societies are requested to discuss comments or objections with CHMT in the first place - please contact President Ronald W. Gedney at the address listed overleaf.

If there are no objections, the proposed revision will be placed on the consent agenda of TAB as well as on the IEEE Executive Committee agenda for approval in November; if objections remain, the proposal will be treated as an Action Item.

CHMT FIELD OF INTEREST:

Article II, Section I states:

The field of interest of the Society shall be the scientific, engineering, and production aspects of materials, component parts, modules including hybrids, and electronic systems. This includes the selection, application, assembly, interconnection, packaging, handling, testing and control of the above as they apply in design and manufacturing. Emphasis shall be placed upon research, analysis, development and application that will aid in advancing the state-of-the-art within this scope.

Proposed modification of the Field of Interest is as follows:

The field of interest of the Society shall be the scientific, engineering, and production aspects of materials, component parts, modules including hybrids, and electronic systems. This includes the selection, application, assembly, interconnection, packaging, handling, thermal management, reliability, testing and control of the above as they apply in design and manufacturing. Emphasis shall be placed upon research, analysis, development and application that will aid in advancing the state-of-the-art within this scope.

Submitted by: R. W. Gedney
President, CHMT

Underlined text represents revised text being added.