



Number 35

December 1963

Curtis Ritchie, Arrangements & Publicity Chmn.  
Temco Electronics1. PURPOSE OF NEWSLETTER

1.1 This NEWSLETTER is published periodically for the Administrative Committee of the Group to serve as a vehicle for the dissemination of news items of current interest to group members. During the current operational year, issues are planned for September and December, 1963, and March and June, 1964.

Items concerning meeting notices, chapter activities, publicity, personal and professional items, and other material should be submitted as follows:

Western (chapters marked with an asterisk:\*)

Ransom D. Slayton, Editor  
IEEE PTG-CS Newsletter  
Teletype Corporation  
5555 Touhy Avenue  
Skokie, Illinois

Eastern

Gunther Karger, Asst. Editor  
IEEE PTG-CS Newsletter  
ITT Communications Systems, Inc.  
South 60, Route 17  
Paramus, N.J.

The deadline for the March, 1964, issue will be February 15, 1964.

2. CHAPTER REPORTS

2.1 Baltimore - No direct report. The present chairman of the chapter is:

Wilson C. DeAndrades  
Westinghouse Air Arm  
Baltimore 3, Maryland

2.2 Boston - No report

\* 2.3 Cape Canaveral - A new chapter of PTG-CS has been organized at the Cape and approved by the Professional Technical Group Committee. Organizing impetus was supplied by:

George W. White, Jr.  
200 Orange St.  
Satellite Beach, Fla.

\* 2.4 Chicago - The September 13 meeting was attended by 62 members and guests. The next meeting, set for January 9, will be held jointly with the Communications Division and the PTG on Space Electronics and Telemetry.

\* 2.5 Dallas - The Dallas Chapter is well underway on its first full year of operation, having been organized late in 1962. Five meetings are planned for this year, starting in September, and falling in alternate months thereafter. In addition to the chapter officers listed in the September NEWSLETTER, the following have been elected:

Frank Reisch, Program Chairman  
Collins Radio Company

Joe Briethaupt, Membership Chairman  
Texas Instruments

The first meeting of the year was held on September 26, with a program presented by Dr. Walter Weeks of Purdue University. His subject was: "Sub - Surface Communications". Sixteen members and guests were present at the meeting.

On November 21, Mr. F. T. Brewer, Bell Telephone Labs., Murray Hill, N. J., presented a paper on "Underwater Cable Systems." His discussion covered the history of overseas communications, and emphasized present achievements in the area of broadband trans-oceanic cable systems, including the use of amplifying repeaters.

\* 2.6 Denver-Boulder - The first meeting of the fall season was on October 29, when Mr. James M. Snodgrass, Staff Member, Scripps Institute of Oceanography, and Chairman of the Intergovernmental Oceanographic Commission Working Group on Communications, discussed "Intergovernmental Oceanographic Commission Plans for a World-Wide Oceanographic Data Transmission System Involving Ocean Data Stations and Research Ships at Sea." Mr. Snodgrass' talk outlined in considerable detail the effort that is being made to provide an international buoy telemetry system for synoptic weather and oceanographic data gathering. Some of his recent responsibilities have included the obtaining of international recognition of the problem, and the proposing of appropriate action for the establishment of high-frequency channels in the maritime mobile bands for an interrogated digital data transmission link of limited capacity (300 bits every six hours from each buoy).

On November 20, Dr. Elie J. Baghdady, President, ADCOM, Inc. Cambridge, Mass., was guest speaker.

The next meeting will be on January 23, 1964, at which Petr Beckmann, who is presently at the Univ. of Colorado, on a leave from the Institute of Radio Engineering of the Czechoslovak Academie of Science, in Prague, will be the speaker. Mr. Beckmann is interested in the propagation of coherent light and further applications of random vector sums in newly initiated research. He has published 32 articles including a book entitled "Scattering of Electromagnetic Waves Off Rough Surfaces."

The Chapter regrets to report that its former chairman, Mr. J. W. Koch, passed away on October 18. He was held in high esteem throughout the Denver-Boulder area.

\* 2.7 Florida West Coast - Two new officers have been elected, replacing resignees. They are:

Henry T. Pichal, Vice Chairman  
Electronic Communications, Inc.  
1501 72nd Street, N., St. Petersburg 33, Fla.

Louis Borges, Secretary  
Electronic Communications, Inc.  
1501 72nd Street N., St. Petersburg 33, Fla.

The chapter is planning a joint meeting with the Section, sometime after January 1st. Mr. James Crow, of Electro-Mechanical Research, Sarasota, will discuss FM modulation as applied to telemetry systems.

2.8 Long Island - The founding officers of this new chapter are:

Leonard R. Kahn, Chairman  
Kahn Research Labs., Inc.  
81 S. Bergen Pl., Freeport, N. Y.

Misha Schwartz, Vice-Chairman  
Head, Electrical Engineering  
Polytechnic Institute of Brooklyn  
333 Jay St., Brooklyn 1, N. Y.

Walter Lyons, Secretary  
Vice President, Tele-Signal Corp.  
198 Miller Pl., Hicksville, L. I., N. Y.

James C. Hepburn, Treasurer  
Manager, Station Facilities Equipment & System Design,  
RCA Communications, Inc.  
66 Broad St., New York 4, N. Y.

The chapter began its first year of activities on October 29 with a meeting on "Recent Developments in International Commercial Communications Systems." The program included:

- (1) "RCA Communications World-Wide System", by Eugene D. Becken, Vice President and Chief Engineer, RCA Communications, Inc.
- (2) "American Cable and Radio Corp. - I. T. T. World-Wide System", by Christopher Buff, Vice President and Chief Engineer, American Cable and Radio Corp.
- (3) "Press Wireless World-Wide System", by Richard A. Hilferty, Chief Engineer, Press Wireless, Inc.
- (4) "Current status of the Professional Technical Group on Communications System and its problems", by David S. Rau, International Chairman of PTG-CS, and Vice President, RCA Communications, Inc.

\*2.9 Los Angeles - No report.

2.10 Mohawk Valley (formerly Rome-Utica) - The new chairman of the chapter is:

Charles R. Glaviano  
45 Meadow Drive  
Rome, New York

The Ninth National Communications Symposium, held on October 7-8-9, and sponsored jointly by the Mohawk Valley Chapter and the PTG-CS, was considered very successful although not as well attended as in former years. Highlights were: (1) the Military-Industry Communications panel, held on Monday morning, with Lewis A. deRosa, Vice President, Engineering, ITT Communications Systems, Inc., moderating, and (2) the Symposium Banquet, on Monday evening, at which Dr. Leonard S. Sheingold, Vice President for Advanced Technology at Sylvania Electronic Products, Inc., was the speaker.



Left to Right - Robert H. Ruhm, General Chairman of NATCOM IX, discusses the program with Dr. Leonard S. Sheingold, Banquet speaker. E. William Morris, Co-executive Vice-Chairman of NATCOM IX, and W. P. Bethke, Chairman of the Mohawk Valley Section, IEEE, observe.

Members of the Military-Industry Communication panel were:  
Elie J. Baghdady, President & Technical Director, ADCOM, Inc.  
Colonel Ray H. Goodrich, Asst. Deputy to Director of Communication Satellites Defense Communications Agency  
Joseph W. Halina, Deputy Vice President, Engineering ITT Communications Systems, Inc.  
Nathaniel Marchand, Marchand Electronic Laboratories  
Thomas F. Rogers, Head, Communications Division, Lincoln Laboratory, MIT  
Wilbur R. Vincent, Head, Communications Laboratories, Stanford Research Institute.

2.11 Monmouth - On January 15, a paper will be presented by Prof. John M. Wozencraft, of MIT., the inventor of sequential decoding, on the subject "Engineering Coded Communications Systems." The meeting will take place at the Little Silver Firehouse, Little Silver, New Jersey, at 8:00 p. m.

2.12 Northern New Jersey - The North Jersey Chapter of the PTG-CS began its season on September 24, 1963. The meeting held on this date will be long remembered by many, due to both the very excellent presentations by nationally known speakers and record attendance. The event was preceded by a dinner at the Cambridge Inn, Paramus, N. J. to which came over 70 members and guests.

The meeting, attended by 150 persons, was opened by Chairman Gunther Karger, who outlined the program for the year. This was followed by a short address by David S. Rau, Vice President, RCA Communications, Inc. and International Chairman, PTG-CS, on important PTG-CS issues, including proposed mergers.

The feature speaker, Major General John B. Bestic, USAF, was introduced by Louis A. deRosa, Vice President, Director of Engineering of ITT Communication Systems, Inc. General Bestic, who spoke on the National Military Command System (NMCS) was uniquely qualified to discuss the subject, since he is Deputy Director of the Defense Communication Agency (DCA) and is responsible for the NMCS. General Bestic outlined the mission and configuration of the NMCS including its many elements. The National Command Structure was discussed with heavy emphasis on survivable communication systems, a key element.

General Bestic was, prior to his present assignment, Director of Telecommunications, USAF; Chief, C & E Division, Directorate of Operations, SAC; Commander, Pacific Air Communication Service Area, MATS; and has held a number of other important posts.

The Chapter is indebted to the speaker for providing his time to speak to the membership, because it is felt that an important service was provided. It should be particularly noted that Mrs. Bestic, who also attended, gave that extra "touch" to the event.

2.13 Oklahoma City - No report.

2.14 Omaha-Lincoln - No report.

2.15 Philadelphia - The Philadelphia Chapter is a joint local organization of the Professional Technical Groups on Communications Systems and Vehicular Communications, and the Communications Technical Division. A "rules of procedure" has been adopted by the chapter in the formation of the merged group. Other chapters desiring information on how merged operations of this nature may be undertaken are invited to contact one of the officers of the Philadelphia Chapter, as listed in the previous issue of the NEWSLETTER.

The first meeting of the present season was held on October 8, when a paper entitled "Electronic PBX Telephone Exchange" was presented by Mr. L. A. Weber, of the Bell Telephone Labs., Holmdel, N. J. Mr. Weber discussed the electronic features for switching telephone and teletypewriter circuits without relays and selectors, a development which eliminates failures attributed to these mechanical devices. The event was held at the University of Pennsylvania Physical Sciences Building.

On November 12, the second meeting was held, with Mr. D. R. Hastings, IBM, presenting a talk entitled "Computer Data Links for the Railroad Industry." Mr. Hastings discussed the common carrier regulations, services and facilities, and other aspects of railroad operation. A network design of typical communication systems for railroad service was included in the presentation.

\*2.16 San Francisco - This chapter is working with the San Francisco Communications Division and planning to nominate new officers from both groups. At the first meeting of the year, on October 8, Dr. Emil Hopner, IBM, presented a paper entitled:

"Automatic Waveform Equalization for Data Transmission Purposes."

\*2.17 Seattle - We welcome the new Seattle Chapter of PTG-CS which was recently organized and has been approved by the Professional Technical Group Committee. Mr. S. T. Weiss is the organizer and interim chairman.

2.18 Syracuse - A "call for interest" has been issued by the chairman of the Syracuse Chapter, who has indicated that a considerable number of PTG-CS members have been transferred out of the Syracuse area, due to major reorganization of companies. As a result, the Chairman and Secretary, Mr. R. E. Hansen and Mr. R. W. Kille, are continuing on in their positions until the situation is clarified. These men should be commended for attempting to continue the Chapter, and this NEWSLETTER issues a plea to other PTG-CS members in the Syracuse area to provide whatever support they can. Those interested should contact:

Mr. R. E. Hansen, Chairman PTG-CS  
General Electric Company  
Room 3, Northern Lights Office Building  
Syracuse, New York  
Telephone: 456-5013

2.19 Toronto - The Chairman of the Toronto PTG-CS Chapter is:  
J. R. Simpson  
Cushing & Nevell  
120 Eglinton Ave., East  
Toronto, Canada

The Chapter has held two meetings this season. The first was a presentation on "The CSM2-60, A New Solid State 2000 MC Microwave Equipment" by T. J. Alden and E. Tethick of ITT Canada Ltd., Montreal. This was held on October 28th, at the Hart House of the University of Toronto, and was preceded by a dinner. The speakers described the development of a versatile 2000 MC 60 Channel Radio Relay equipment designed to meet the ultra-reliable and transportable requirements posed by the rapidly expanding underdeveloped areas of the world.

The second event, also held at the Hart House, took place November 28th. Mr. Peter McGregor, of the Canadian Aviation Electronics Ltd., spoke on "The F-104 Flight Simulator." The paper included a discussion of the techniques involved in the design of the various flight functions which are simulated by the device. The simulator duplicates all aircraft functions and environmental conditions including those associated with takeoff, landing, supersonic flight, strikes against ground targets, crashes, etc. The F-104 Trainer simulates approximately 36 systems and permits complete instruction in flight procedures, navigation and tactics.

2.20 Washington - This Chapter has not held elections for some time, and does not, therefore, have current officers. A meeting was, however, held jointly with PTG-MIL and the Washington Section on December 4th. The paper "Computer Simulation of the Defense Communication System" was presented by Mr. L. A. deRosa, Mr. W. B. Hall, and Mr. N. L. Douglas of ITT Communications Systems, Inc., Paramus, N. J. The paper stressed the fact that global communications must be maintained under all conditions of warfare. Recent advances in computer technology and the availability of facility data base files make possible the simulation, under various traffic loads, network conditions and environments, of complex communication networks. These simulation programs enable the prediction of the performance of worldwide integrated military networks under various conditions. Such a program has been completed on the defense communication system by ITT C. S., and the results thereof were discussed.

2.21 Prospective Chapters - Information on how to form a new chapter of PTG-CS has been forwarded to group members in Detroit, Michigan. No progress has been reported on the formation of prospective chapters at Phoenix, Arizona, and in the Netherlands.

### 3. CALL FOR PAPERS

3.1 GLOBECOM VI - The Sixth National Symposium on Global Communications, to be held June 2-4, 1964, in Philadelphia, is soliciting papers in the following areas:

Communications and coding theory  
Computer control of Communications Systems

Traffic considerations  
Satellite Communication Systems  
Switching systems  
Deep Space communications  
Data communications  
Military command and control systems  
Data processing systems  
Radio transmission systems  
Cable transmission systems  
Economic factors in system design  
Status of present operational systems  
Advanced communications concepts and techniques  
Subscribers' and input-output equipment  
Industrial communications and control

Thirty-five word abstracts and 300 to 500 word summaries should be submitted in triplicate by February 28, 1963, to:

Dr. Richard E. Guenther, RCA Communications  
Systems Div., Bldg. 1-3, Camden, N. J. 08102

Each submission should include the paper title, the author's name, his affiliation, and his return address.

3.2 REGION 6 ANNUAL CONFERENCE - This meeting, co-sponsored by IEEE and ISA will meet April 29-30, May 1, 1964, at Salt Lake City, Utah. It combines the functions of the former IRE 7th Region Technical Conference and the AIEE Pacific General Meeting. Twenty technical sessions of five papers each are planned to serve the needs of former members of AIEE and IRE. Papers are invited to the following and related fields:

Instrumentation  
All areas of operation served by ISA

Electrical Power  
Systems, Atomic reactors for power, Communications for control, Power for aircraft and space craft, Energy conversion.

Electronics and communications

Antennas, Radio propagation, Lasers, Masers, Radiometry, Space measurements, Information theory and coding, Automatic controls, Electron devices, Semiconductor circuitry, Circuit theory, High speed data by wire, Advances in telephone techniques, Military electronics, Satellite relays, Communications systems, Medical electronics, Nuclear reactor instrumentation, Audio, Data processing, Pattern recognition.

Abstracts of approximately 200 words are to be submitted by January 15, 1964, to the technical program chairman, Prof. Clayton Clark, E. E. Dept., Utah State University, Logan, Utah.

### 4. COMING MEETINGS

4.1 1964 IEEE International Convention - The Convention will be held March 23-26, 1964, at the New York Hilton Hotel and the New York Coliseum, New York City. Papers have been solicited in ten general areas, as announced in the Call for Papers in the last issue of the PTG-CS NEWSLETTER. The PTG-CS Meetings Committee recently reported that it will sponsor nine sessions at the IEEE International Convention, all of which will be of interest to our membership.

4.2 GLOBECOM VI - The Sixth National Symposium on Global Communications will be held June 2, 3, and 4, 1964 at the University of Pennsylvania and the Sheraton Hotel in Philadelphia. Daytime technical sessions and exhibits will be at the University, and evening panel discussions will be at the hotel. Sponsoring organizations include:

IEEE Philadelphia Section  
PTG Communication Systems  
PTG Electronic Computers  
IEEE Communications Division  
University of Pennsylvania

The theme of GLOBECOM VI will be the "Wedding of Communications and Data Processing." The technical program will emphasize large communication systems having multiple users with information processing devices at terminals and at nodes in the networks. The following officers have been appointed:

General Chairman - E. Gary Clark, Burroughs Corp  
Paoli, Pa.  
Secretary - J. Heckelman, Philco Corp.,

Blue Bell, Pa.  
 Finance Committee Chairman (Treasurer) - M. Berkowitz,  
 General Electric Co., King of Prussia, Pa.  
 Technical Program Committee Chairman - Dr. R. E. Guenther,  
 RCA Communications Systems Division, Camden, N. J.  
 Local Arrangements Committee Chairman - H. Spark, Moore  
 School of Engineering, University of Pennsylvania, Phila., Pa.  
 Exhibits and Public Relations Committee Chairman - A. Batchelor,  
 Burroughs Corp., Paoli, Pa.  
 Professional Exhibits and Public Relations Manager - Lewis Winner,  
 152 West 42nd St., New York, N. Y.

The Call for Papers for GLOBECOM VI is given in Section 3.1 above.

4.3 NATCOM X - The Tenth National Communications Symposium will be held in the Rome-Utica area the first week of October, 1964. Mr. Robert Weil, Litton Industries, has been elected General Chairman, and other officers are being selected.



Robert Weil, right, newly elected Chairman of NATCOM X, is congratulated by Richard C. Benoit, Jr., Chairman of the Board of Governors, NATCOM IX, as David S. Rau, left, Chairman of PTG-CS concurs.

4.4 IFIP CONGRESS 65 - A global conference on information processing will be held at the New York Hilton Hotel, May 24-29, 1965. The conference, and its associated exhibition of data communications equipment, digital computers, input-output systems, etc., known as INTERDATA 65, is sponsored by the Council of the International Federation for Information Processing. Dr. Werner Buchholz (USA) heads the IFIP Congress Committee, and Mr. Borje Langefors (Sweden) is in charge of the Program Committee. The IFIP President is Mr. Isaac L. Auerbach, of the Auerbach Corporation, 1634 Arch St., Philadelphia 3, Pa. A Congress office has been opened at 345 East 47th St., New York 17, N. Y., telephone PLaza 2-6800.

## 5. ADMINISTRATIVE COMMITTEE

5.1 Additional Committees and Members  
Papers Review and Procurement  
 W. S. Sichak, Chairman

<u>Awards</u>	<u>Nominations</u>
Louis A. deRosa, Chairman	Ralph L. Marks, Chairman
J. Z. Millar	C. R. Ellis
A. C. Dickieson	N. Smith
D. Mitchell	D. S. Rau

5.2 Natcom IX Meeting - The regular meeting of the AdCom was held at the Hotel Utica on October 7, 1963. Twenty-five AdCom members, Chapter delegates, and IEEE officials were present. Chairman David S. Rau presided. Tentative business transacted at Wescon in August was approved. Other reports in summary:



PTG-CS Administrative Committee Meeting at NATCOM IX. Seated, left to right: C. A. Strom, Jr., memb; Dr. I. S. Coggeshall, memb; R. C. Benoit, Jr., Sec'y; D. S. Rau, Chmn; Dr. W. B. Jones, Vice-Chmn; J. W. Worthington, Jr., Treas; R. L. Marks, memb., past Chmn; Dr. A. G. Clavier, memb.; Standing, left to right: B. Goldberg, memb; W. Lyons, memb; W. M. Mazer, memb; W. C. deAndrade, Baltimore Chapt. Dr. R. M. Emberson, IEEE PTG Sec'y; R. D. Slayton, Newsletter Ed; R. L. McCreary, Meetings Comm; A. C. Peterson, memb; R. McSwain, memb; R. C. Kirby, memb; J. E. Schlaikjer, past Chmn; G. Karger, NJ Chap. - Ass't Newsletter Ed.

Bylaws - Wording of the second paragraph of Section 1, describing the manner in which surplus funds from Group-sponsored national meetings should be distributed among co-sponsors, was approved as follows:

"FINANCIAL SUPPORT. The Annual assessment for members of the Group shall be \$4.00 for which assessment they shall receive the full service of the Group, except that registration fees may be charged for attendance at Group sponsored national meetings (including conferences, symposia, and conventions) in accordance with such rules as may be established by the management of such meetings.

"In view of the support of Group sponsored national meetings, a share of the surplus funds accrued from such meetings will be remitted to the treasury of the Group. The allocation of surplus funds shall be defined in the statement of financial arrangements before the meeting is approved by the Administrative Committee."

Awards Committee - It was reported that eight nominees competed for the Annual PTG-CS Achievement Award. Dr. Ivan S. Coggeshall was selected to receive the award, which was presented at the Natcom IX Symposium Banquet on October 7th. The award consisted of a check in the amount of \$250.00, and an engraved plaque. (Details of award in Members' Column, below - Ed.)

The committee reported that Dr. E. Arthurs and Mr. H. Dym has been selected to receive the Annual PTG-CS Technical Papers Contribution Award for their jointly authored paper entitled: "Optimum Detection of Digital Signals in the Presence of White Gaussian Noise - A Geometric Interpretation and a Study of Three Basic Data Transmission Systems". Each author received a check for \$50.00, and an engraved plaque, presented at the Banquet.

Chapters and Membership - As of July 31, 1963, PTG-CS had 3,850 regular members and 319 student members. Eighteen active Chapters are in existence.

Natcom IX - In a preliminary report from Mr. Robert H. Ruhm, Jr., General Chairman, it was stated that the general registration would apparently be somewhat smaller than anticipated. Only 22 of 30 available exhibit spaces were sold, and a delay in mailing symposium announcements contributed to diminished attendance. The technical program was outstanding and enthusiastically received by attendees. The Ladies' Program was over-subscribed, and a real success.

Treasurer's Report - For the year ending July 31, 1963, receipts were \$11,794.84 and expenditures were \$7,570.46. A balance of approximately \$1,000.00 is predicted for December 31, 1963. An estimated budget for 1964 was presented, consisting of \$28,300 receipts and \$28,700 expenditures. This budget was approved.

AdHoc Merger Committee - Mr. Rau and Dr. Coggeshall presented a proposed merger document evolved during a series of meetings between the IEEE Communications Division and PTG-CS AdHoc committees. This was thoroughly discussed, with some revisions and expansions being suggested. The AdHoc committee was instructed to continue negotiations with their Communications Division counterpart. (Merger, Sect. 6)

Meetings Committee - This committee has been expanded to increase its effectiveness. A close Liaison is being maintained with the Communications Division counterpart to insure that future meetings will be properly coordinated. The status of participation in the 1964 IEEE International Convention, Globecom VI, and in Natcom X was reported. (Coming Meetings, Sect. 4) A request that Globecom VII be held in Boulder, Colorado, during the week of June 7-11, 1965, was approved.

Chapter Reports - (Included in Section 2, above)

5.3 Next Meeting - The next AdCom meeting is scheduled for 9:30 A.M., Monday, March 23, 1964, at IEEE Headquarters during the International IEEE Convention in New York City.

## 6. MERGER WITH IEEE COMMUNICATIONS DIVISION

As reported in the last issue of the NEWSLETTER, AdHoc committees were appointed by the respective Chairmen of PTG-CS and the Communications Division to draw up a possible proposal for a merger of the two groups. The first draft of this proposal was circulated to all PTG-CS AdCom members in September, and an edited version was discussed at the AdCom meeting during Natcom IX. After considerable discussion within the AdCom, the report of the PTG-CS AdHoc committee was accepted, with a few suggested revisions, and the AdHoc committee was authorized to continue their negotiations with the Communications Division AdHoc committee.

We have been advised that the Communications Division AdCom in a meeting on October 29th, has also approved the merger proposal, and that a tentative Constitution and Bylaws for the new Group, to be known as the "PTG on Communications" are being prepared. These will be published in the next issue of the NEWSLETTER. The PTG-CS AdHoc committee report included:

Proposal - A single Professional Technical Group on Communications is proposed, to replace the present TOC Communications Division and the present Professional Technical Group on Communications Systems. Other Groups and Committees with communications interest would also have opportunity to participate. The new Group will offer advantages to the membership far beyond the capability of the presently separate organizations to provide. Duplication of effort in regard to meetings and papers will be avoided, quantity production in printing and distribution of publications will be achieved, and the availability of expert skills in the Technical Committees for procurement and review of papers, are cited as significant advantages.

Organization - The proposed Group will consist of a reasonable amalgamation of the best features of the existing organizations. It consists basically of an elected Chairman and Vice-Chairman, appointed Secretary and Treasurer, twelve elected members-at-large of the Administrative Committee, appointed Committee Chairman who become ex-officio members of the Administrative Committee, and the Senior and Junior Past Chairmen as ex-officio members of the Administrative Committee. It provides also for an Operating Committee to function between meetings of the AdCom, to consist of the four general officers and four other members of the AdCom. The committees would include:

<u>Standing Committees</u>	<u>Technical Committees</u>
Chapters	Communication Switching
Publications	Communication Theory
Meetings	Data & Telegraph Communication

(cont'd)

Membership	Radio Communication
Awards	Space Communication
Nominating	Wire Communication
	*Other Technical

## Translation Committees

Telecommunications and Radio Engineering Review  
 Radio Engineering and Electronic Physics Review  
 Japanese Telecommunications Review

\*Additions will be made to accommodate other Groups when needed. Local Chapters of PTG-CS and local Technical Discussion Groups would continue as at present for the time being, but would eventually combine as Chapters of the PTG on Communications.

Interim Organization - To provide a smooth transition to the new organization, an Interim Organization would serve for one year, to be made up of officers provided by the present two organizations, each supplying two; six AdCom members-at-large to be provided by each organization; committee chairmen to be appointed as required. The Interim Organization would serve from July 1, 1964 until June 30, 1965, after which the final Organization would become effective.

Scope - Contemplated activities of the new Group would be: "The organization of members, meetings, papers, publications (including abstracts, translations, bibliographies, and reports) and Region and Section activities, on all telecommunications, telephony, telegraphy, facsimile, and point-to-point television, by electromagnetic wave propagation including radio; wire; aerial, underground, coaxial, and submarine cables; waveguides; communications satellites, and lasers; in marine, aeronautical, space and fixed station services; repeaters; radio relaying, signal storage and regeneration; telecommunication error detection and correction; multiplexing; carrier techniques; communication switching systems; data communications and communication theory. Where another duly authorized PTG or Technical Committee is adequately cultivating a specific area within the telecommunications field of interest, the Communications Group will limit its activities to joint participation.

Publications - The Transactions of the new Group would incorporate the present quarterly PTG-CS Transactions and the communications part of the present bi-monthly "Communications and Electronics." It is expected that the new Transactions can be issued regularly without increasing the present membership fee of \$4.00 annually. The Newsletter of the present PTG-CS would be continued for the new Group as an important medium for keeping the membership informed of Group activities.

Meetings - Existing obligations of the two groups would be accepted as sponsored meetings of the new Group. Future policy would be to sponsor at least two yearly meetings, in addition to participation in the IEEE International Convention in March and Wescon in August. Good calendar and geographical distribution is desirable. Practicable meetings after July 1, 1964, seem to be:

1. Wescon in August 1964, in Los Angeles (sponsored sessions)
2. Natcom X, October 5-7, 1964, in Mohawk Valley.
3. NEC, October 19-21, 1964, in Chicago (sponsored sessions)
4. IEEE International meeting, in late March 1965, in New York.
5. Globecom VII, in June 1965, in the Denver-Boulder area.
6. Wescon, 1965, if session space can be provided.
7. An October 1965 meeting, probably in the Midwest.
8. Cooperation with Mohawk Valley (Natcom XI ??)

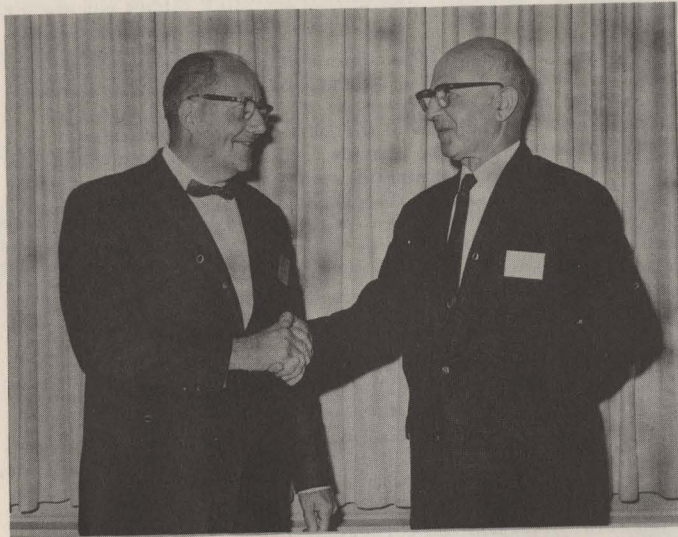
## 7. PTG-CS MEMBERS' COLUMN

This new feature is the result of a desire of your committee to make this publication as interesting as possible. Previous editorial policy was to provide current reports on meetings and general PTG-CS business items. Now we wish to add items of a personal nature which concern happenings to and doings of all our members, which will be of interest to your friends and colleagues. Stories of important personal events, such as promotions, transfers, awards, and recognized achievements or special public service are accordingly solicited.

Please send information and announcements to:  
 Gunther (Gus) Karger, Assistant Editor, PTG-CS NEWSLETTER  
 ITT Communication Systems, Inc.  
 60 S. Route 17, Paramus, N.J. (Phone: 201-HU-9-7400)

7.1 PTG-CS Achievement Award to Ivan S. Coggeshall - The 1963 Achievement Award of the IEEE Professional Technical Group on Communication Systems was presented to Ivan S. Coggeshall at

the Natcom IX Banquet in Utica, N. Y., on October 7, 1963. In presenting the Award, Mr. Louis A. deRosa, Chairman of the PTG-CS Awards Committee, and Vice President-Engineer, ITT Communication Systems, Inc., cited Dr. Coggeshall: "for his outstanding contributions to the science and techniques of communication systems."



Mr. David S. Rau, right, PTG-CS Chairman, congratulates Dr. Ivan S. Coggeshall, left, upon his receipt of the 1963 PTG-CS Achievement Award at the Natcom IX Banquet.

Ivan S. Coggeshall was born on September 30, 1896, at Newport, Rhode Island. He held the position of Assistant Vice President, International Communications, of Western Union Telegraph Company at the time of his retirement in 1961. He was active as a Commander in the U. S. Naval Reserve in World War II.

Mr. Coggeshall is an expert on the subject of telegraph transmission by wire, radio, and submarine cables. He was the recipient of an honorary degree of Doctor of Engineering in 1951 at Worcester Polytechnic Institute for his part in the installation of the first undersea amplifier in a trans-Atlantic cable. He is a Fellow of the Institute of Electrical and Electronic Engineers.

**7.2 Coleman and Karger Outstanding Young Engineers** - The National Achievement Award of the Ninth National Communications Symposium was announced at the Symposium Banquet on October 7, 1963, as being awarded to Harry Coleman, Pan American World Airways, Cape Canaveral, Fla., and to Gunther Karger, ITT Communication Systems Inc., Paramus, N. J.



Gunther Karger, center, stands to acknowledge the announcement of his selection as Outstanding Young Engineer, at the NATCOM IX Banquet. David S. Rau, left, PTG-CS Chairman applauds, Mrs. Karger, between them smiles, and Ron Slayton, right, Newsletter Editor, listens intently as Al Kunze reads the citation.

In making the announcement, Mr. Al Kunze, Special Advisor to the Board of Governors of Natcom IX, cited Mr. Coleman for "Tropo and Systems Instrumentation" and Mr. Karger for "Analysis of the Survival of Airborne Post-Attack Systems." Plaques will be awarded to each recipient through their local Sections, at appropriate ceremonies. These read: "Conceived in the interest of stimulating the younger engineers in their more formative years who have demonstrated promise of achieving future national stature, this award is presented to \_\_\_\_\_ in recognition of an outstanding engineering contribution to communication systems growth within their local Chapter and Regional environment."

**7.3 Natcom IX Awards Scholarships** - Randolph W. Becker, a senior student at the Utica Free Academy, Utica, N. Y., was awarded the \$500 scholarship award of the Ninth National Communications Symposium on October 7th. Second place winner, with a \$250 scholarship, was Miss Shirley R. Fischer, a senior at Vernon-Verona-Sherrill School, near Verona, N. Y. In presenting plaques to the winners, Mr. William P. Bethke, chairman of the Natcom IX Scholarship Program, stated that although the scholarships are for one year, efforts are being directed toward sustained scholarships, in the future.

**7.4 PTG-CS Members Elevated to Fellow Grade** - The IEEE Board of Directors has announced that, at its meeting on October 30, 1963, 118 members of the IEEE were elected to the grade of Fellow effective January 1, 1964. Responsibility for presentation of Fellow certificates is assigned to the officers of the individual Sections, acting as representatives of the Board of Directors. These presentations will be made early in 1964. The following members of PTG-CS are among those so recognized:

**Boston Section**  
Paul J. Pontecorvo, For contributions to microwave communications Systems.

**Long Island Section**  
Leonard R. Kahn, For contributions to single sideband transmitting and receiving systems.

George B. Litchford, For contributions in the field of air navigation and traffic control.

**Mohawk Valley Section**  
Richard C. Benoit, Jr., For contributions in the field of military electronics.

**New York Section**  
Jacob L. Jatlow, For contributions in the fields of FM carrier telegraphy and tropospheric scatter communication systems.

**Monmouth Subsection**  
William R. Young, Jr., For contributions to mobile radio and data communication systems.

**North Jersey Section**  
Kenneth G. McKay, For fundamental advances in the physics and engineering of solid-state devices.

Erling D. Sunde, For contributions to microwave magnetron design.

**San Fernando Valley Section**  
Harold F. Meyer, For contributions to the development of advanced communication systems for the Armed Services.

**Tokyo Section**  
Fumio Minozuma, For research in radio wave propagation and radio interference and leadership in the Radio Regulatory Bureau of Japan.

8. MEMBERSHIP ROSTER OF PTG-CS as of December 6th, 1963

REGION I

Berkshire

Broverman, H. A.  
Chapman, J. K.  
Samsel, R. W.

Binghamton

Anderson, E. J.  
Hockenberger, R. W.  
Kuehl, W. J.  
Swanson, L. H.

Boston

Abraham, L. G., Jr.  
Adams, G. J.  
Alden, J. M.  
Alter, R. S.  
Ames, Brewster Jr.  
Angus, R. B., Jr.  
Atchison, J. H., Jr.  
Baghdady, E. J.  
Barrow, B. B.  
Baruch, Aaron, L.  
Baumann, A.  
Bello, P. A.  
Berger, O. S.  
Bickford, Wm. J.  
Birman, G.  
Black, K. C.  
Blanchard, R. L.  
Block, M. J.  
Boland, J. N.  
Bower, J. E.  
Bratt, P. P.  
Brenan, J. A. B.  
Breon, R. K.  
Brody, G. H.  
Brown, R. B., III  
Bush, A. M.  
Busgang, J. J.  
Buxton, E. T., Jr.  
Byington, R. E.  
Cady, C. A.  
Callahan, C. A.  
Cary, T. R., Jr.  
Cheney, J. F.  
Chesler, D. A.  
Coffey, E. W.  
Cohen, P.  
Cowan, Wm. M.  
Craig, J. W., Jr.  
Crimmins, W. L.  
Crocker, D. C.  
Cross, H. H.  
Crowley, D. J., Jr.  
Davy, S. J.  
De Bettencourt, Joseph  
Delacy, E. M. F.  
Denman, J. G.  
Densler, J. P.  
Desmond, R. J.  
Dressler, R.  
Drouilhet, P. R., Jr.  
Dunn, J. A.  
Dym, H.  
Early, D. C., Jr.  
Ebbe, C. E.  
Edie, Jay, L.  
Edwards, L. C.  
Edwards, Paul, G.  
Ehrman, L.  
Eisenstadt, B. M.  
Ekstrom, J. L.  
Elkan, J.  
Erb, D. R.

Faigen, Ivan M.  
Fallows, E. M.  
Fast, S.  
Fidler, R. R.  
Field, M. D.  
Fine, T. L.  
Floyd, W. B.  
Fox, K. D., Jr.  
Freudberg, R. L.  
Friis, R. W.  
Galagan, S.  
Gallagher, E. F.  
Gallimore, J. W.  
Gammie, James  
Genett, W. F.  
Germeshausen, K. J.  
Ghais, A. F.  
Gicca, F. A.  
Gold, N.  
Goldman, H. A.  
Goldstein, A. L.  
Goodman, L. M.  
Gould, L.  
Grady, R. R., Jr.  
Gray, D. J.  
Green, P. E., Jr.  
Guthe, J. M.  
Hadfield, B. M.  
Hadge, E.  
Haire, P. F.  
Hanson, J. T.  
Hardy, J. W.  
Harlem, G. S.  
Harney, P. J.  
Harris, C. L.  
Hatton, Wm. L.  
Hawes, A. R.  
Hawkins, R. S.  
Hayes, D. J.  
Hedlund, D. A.  
Hirtle, A. C.  
Hobbs, C. F.  
Hofmann, E. J.  
Honda, H.  
Hovious, T. C.  
Ingels, H. W.  
Jackson, L. B.  
Jackson, W. H., Jr.  
Jacobs, B. S.  
Jacobs, I. M.  
Jones, A. F.  
Jones, C. M.  
Jones, J. J.  
Jordan, K. L., Jr.  
Kalakowsky, C. B.  
Kantor, G.  
Karp, D.  
Keefe, T. J., Jr.  
Kendall, R.  
Kennedy, F.  
Kirby, T. J.  
Knightly, A. P.  
Krulee, R. L.  
Kruse, K. W.  
Ktistes, P. J.  
Kuhn, B. G.  
Lacey, N. F.  
Lapointe, J. R., Jr.  
Lechner, R. J.  
Lewis, G. A.  
Lippincott, S.  
Lorant, C. R.  
Lyon, H. A.  
MacGregor, D. F.  
Mace, R. A.  
Maglathlin, R. N.

**Manders, A. M.**  
Manley, H. J.  
Manna, E. E.  
Manning, V. R.  
Marcley, W. E.  
Markow, E. W.  
Marsh, H. S.  
Marshall, A. C.  
McCalmont, A. M.  
McNamara, T. J.  
Menges, W. R.  
Mercer, Wm. R.  
Meyer, M. A.  
Middleton, David  
Moore, W. F.  
Morrow, W. E.  
Mullen, J. A.  
Murch, D. E.  
Myers, M. H.  
Nagy, F., Jr.  
Nahabedian, C. E.  
Neal, E. H.  
Nelin, B. D.  
Newman, D. B.  
Newman, P.  
Nichols, B. E.  
Nichols, R. V.  
O'Leary, G. C.  
Olsen, K. H.  
Orange, A. S.  
Ostis, J. N.  
Papadopoulos, G. D.  
Parke, N. G., III  
Peacock, J. T.  
Penick, D. B.  
Penninger, R. B.  
Pennypacker, J. C.  
Petrella, A. J.  
Phillips, W. E., Jr.  
Pierce, A. W.  
Pierce, J. N.  
Pollack, D.  
Pollen, L. K.  
Pontecorvo, P. J.  
Popp, F. G.  
Price, R.  
Price, B. F.  
Proakis, J.  
Raemer, H. R.  
Ramsey, Wm. H.  
Randell, T. C.  
Ratto, J. J.  
Reed, R. R.  
Rizzo, J.  
Roberts, W. L.  
Rojak, F. A.  
Rosen, Samuel  
Rowe, A. J.  
Sagaser, D. D.  
Saltzer, J. H.  
Salvador, R. L.  
Savage, J. E.  
Schmidt, K. H.  
Schroeder, R. K.  
Schreuer, W.  
Sedik, J. J.  
Shapiro, L. D.  
Sheerin, R. R.  
Sheftelman, E. H.  
Sheingold, L. S.  
Simon, H.  
Sinclair, D. B.  
Smyth, R. R.  
Sobel, H. S.  
Sproul, R. W.  
Stein, S.

Buffalo

Barker, H. F.  
Becker, H. D.  
Beneke, J.  
Brown, A. H.  
Brown, B. S.  
Brown, J. E.  
Brumbaugh, C. J.  
Carroll, T. J.  
Champness, N. A.  
Clausen, E. B.  
Cyrulik, R. J.  
Earl, H. D.  
Espersen, G. C.  
Gooding, D. J.  
Green, R. O.  
Hanley, W. R.  
Ignatz, R. R.  
Kellerman, R. E.  
Kluever, H. C.  
Lavins, L. J.  
Lawton, J. G.  
Leichtman, D. K.  
Leonard, R. J.  
Marso, R.  
Mason, H., Jr.  
Mondloch, A. J.  
Nelson, R. E.  
Okonski, E. S.  
Ratter, W. F.  
Rock, F. E.  
Schlichter, E. S.  
Serniuk, W.  
Thalner, R. R.  
Veath, M. S.  
Walbesser, W. J.  
Wittman, J. H.  
Wright, R. O.

Connecticut  
Abramowitz, M.  
Bradley, K. M.  
Brazee, J. A.  
Burns, R. F.  
Calvert, T. J.  
Case, L. R., II  
Castellano, A. J.  
Chanzit, L.  
Clinton, P. N.  
Conklin, E. K.  
Crowell, H. E.  
Curtis, R. C.

Falk, H.  
Fama, C. S.  
Ferlan, A.  
Finch, W. G. H.  
Fingerle, W. Jr.  
French, E. C.  
Galvin, R. A.  
Grey, R.  
Grimstad, E. J.  
Harris, J. S.  
Holloway, H. R.  
Holmes, J. F.  
Huse, G.  
Illenberger, J. E.  
Jablonski, F. S.  
Jameson, E. N.  
Kerrigan, P. R.  
Kowalski, A. S.  
Kramer, N. H.  
Levesque, A. H.  
Levine, S.  
Lintelmann, W.  
Love, G. V.  
Lucal, H. M.  
Lyons, W. J., Jr.  
Mackey, C. L.  
Marchand, N.  
Martin, J. T.  
McBrien, J. E.  
Miller, K. M.  
Molday, B. V.  
Moorehead, E. G.  
O'Connell, H. V.  
Ostrom, D. E.  
Pietragallo, A. M.  
Radnay, L. S.  
Rand, P. S.  
Reitman, J.  
Rhein, G. W.  
Rowland, F. C.  
Ryan, P. E.  
Santucci, A. H.  
Schultheiss, P. M.  
Shinn, C. E.  
Shlank, M. E.  
Smith-Vaniz, W. R., Jr.  
Tuteur, F. B.  
Van Horn, J. H.  
Van Lidth De Jeude, C. P.  
Van Oostendorp, G. H.  
Von Winkle, W. A.  
Weiner, W.  
Weston, B. J.

Elmira-Corning

Cook, P. G.  
Ehrlich, W. E.  
Mulligan, J. M.

Ithaca

Butterworth, W. P.  
Hickok, W. K.  
Jelinek, F.  
Olateju, T. O.  
Tang, E. Y.  
Thorp, J. S.  
Yrana, N.

Long Island

Alter, J.  
Backus, C. H.  
Basil, A.  
Benenson, C. A.  
Bergman, S. I.  
Beverage, H. H.  
Bicknese, F. H.  
Bodony, A. B.

Bowie, R. M.,  
Brenin, B. L.  
Buff, Christopher  
Buckman, R. L.  
Burnham, F. L.  
Callahan, E. P.  
Casale, D. R.  
Churchill, F. E.  
Clarke, R. L.  
Cohen, A. L.  
Cohen, H.  
Coleman, S. F.  
Conkling, C. R., Jr.  
Crosby, M. G.  
D'Angelo, F.  
Deal, C. J. R.  
De Lorenzo, J. D.  
Deutsch, S.  
Di Toron, M. J.  
Dolin, Richard  
Dong, H. L. H.  
Dorne, A.  
Duttera, Wm. S.  
Edson, M. C.  
Ellis, R.  
Espenlaub, W. C.  
Ferrara, J. P.  
Fields, Robert  
Fishbein, S.  
Flynn, W. J.  
Frank, R. L.  
Freeman, Herbert  
Freeman, P. S.  
Friedlander, M. O.  
Germano, G.  
Gertzis, Selig  
Goldstine, H. E.  
Gorelick, George  
Gould, G. A.  
Granese, D. G.  
Grayson, K.  
Haas, G.  
Haback, D. H.  
Hagedorn, H., Jr.  
Helwege, George  
Hepburn, J. C.  
Herzing, H. G.  
Hildreth, A. E.  
Hinchey, R. L.  
Jarecky, J. L.  
Kagan, S. L.  
Kahn, Alfred  
Kahn, L. R.  
King, L. H.  
Kliman, M.  
Kornberg, Fred  
Kovski, J. J.  
Lamar, R. E.  
Landow, I. S.  
Laspina, C. A.  
Lester, J. M.  
Liguori, A.  
Lombardi, M. W.  
Loughlin, B. D.  
Lyons, W.  
Macdonald, R. B.  
Masak, R. J.  
Mazzochi, J. J.  
McPherson, D. L., III  
Mehlman, S. J.  
Meixner, V. G.  
Meneer, W. R.  
Mertz, P.  
Milazzo, Salvatore  
Minc, A.  
Morris, R. C., Jr.  
Morton, G. W.

Munier, D. B.  
Nagrod, S.  
Nelson, R. T.  
Oakes, R. E.  
Ottenberg, L. A.  
Oxild, P. E.  
Papamarcos, George  
Pearsall, F. M., Jr.  
Perry, A. D., Jr.  
Peterson, L. E.  
Prew, H. E.  
Randall, G. A.  
Rau, D. S.  
Richards, J. A.  
Richter, F. G.  
Rinkel, S. A.  
Roth, H. H.  
Rouffy, F. E., Jr.  
Schaefer, A. E.  
Schock, R. E.  
Schroeder, R. P.  
Scott, J.  
Selin, G. H.  
Skinner, T. P.  
Smith, P. K.  
Smola, H.  
Sperling, J. G.  
Squitieri, Anthony  
Taylor, H. A.  
Teltscher, E. S.  
Tenenbaum, Frank  
Van Duzee, R. M.  
Vogelman, J. H.  
Wachter, H. J.  
Waller, H. H.  
Ward, W. P.  
Watson, C. W.  
Watson, R. F.  
Weiss, Raphael  
Wenrich, J. R.  
Westman, H. P.  
Wheeler, H. A.  
Wolfe, M. L.  
Wunderlich, N. E.  
Young, V. J.

Maine

Bach, R. W.  
Cooney, J. R.  
Sheppard, E. M.  
Shively, E. H.  
Stearns, M. G.  
Wood, E. L.

Mid-Hudson

Abbott, G. F., Jr.  
Berk, M. A.  
Brignull, B. F.  
Brooks, G. W.  
Buche, W. G.  
Crago, R. P.  
Draminski, D. J.  
Eisenbies, J. L.  
Enslow, P. H., Jr.  
Fraser, G. R.  
Funderburk, O. F., Jr.  
Johnson, L. L.  
Levinson, B.  
Mahar, T. F.  
Minero, R. H.  
Posklensky, David  
Rogers, L. S.  
Sabbah, J.  
Schaffer, H. G.  
Steigerwalt, G. F.

Mohawk Valley

Allen, R. F.

Baldrige, B. H.  
Barrick, W. E.  
Beers, R. H.  
Benoit, R. C., Jr.  
Bikis, Andris  
Brooks, E. C., Jr.  
Burrows, W. R.  
Bussey, H. C.  
Cagney, W. M.  
Carlson, H. A.  
Carney, P. G.  
Cooper, B.  
Crowley, H. J.  
Entzminger, J. N.  
Fishner, Stanley  
Flatt, J. C.  
Gallup, B. H.  
Hierholzer, F. J., Jr.  
Kunze, A. A.  
Lockner, J. G.  
Lutze, R. J.  
Marks, R. L.  
McKim, W. J. G.  
Nantier, Robert  
Pangburn, L. R.  
Partlow, F. M.  
Perry, Francis, M.  
Pracht, W. A.  
Priest, F. R.  
Seideman, S.  
Selover, E. E.  
Smith, D. R.  
Strom, C. A., Jr.  
Ulrey, H. J.  
Vannicola, V.  
Zachary, R. A., Jr.

New Hampshire

Bartelink, E. H. B.  
Brown, C. R.  
Day, P. F.  
Dube, R. J., Jr.  
Fenn, W. D.  
Gilbo, A. W.  
Hadlock, C. F.  
Lemay, R. E.  
Martin, J. A.  
Stevens, W. A.  
Vaugham, T. J.  
Zecchini, L. F.  
Zumba, C. F.

New York

Abel, L. C.  
Acker, M.  
Adler, B.  
Afshar, G. H.  
Aga, A. H.  
Albanese, A. P.  
Alliot, Eric, Jr.  
Aritake, S.  
Aronoff, E.  
Ball, R. M., Jr.  
Baltera, A.  
Barkey, Robert  
Barr, S. M.  
Bauer, P. S., Jr.  
Beckham, C. L.  
Becklein, Charles  
Bell, E. F., Jr.  
Bennett, W. R.  
Berezin, M. E.  
Bernardi, A. R.  
Bernhard, R. G.  
Bernstein, J. L.  
Bernstein, R. I.  
Bethel, C. D., Jr.  
Beyer, J. P.

Bially, Theodore  
Bickel, H. J.  
Bloom, F. J.  
Boguslawski, H. A.  
Boniello, A.  
Boorstyn, R. R.  
Bosslet, R. V.  
Bouton, R. C.  
Bradburd, E. M.  
Brandt, R. H.  
Brennan, D. G.  
Broder, L. J.  
Brown, M. A.  
Brown, T. M.  
Bryson, W. B.  
Burnell, L. G.  
Cabeen, S. K.  
Canfora, A. E.  
Caplan, N.  
Carey, V. L.  
Caruthers, R. S.  
Casey, M. J.  
Castellano, J. G.  
Castle, B. B.  
Catano, A. J.  
Ceccanti, L. P.  
Clarke, K. K.  
Cohen, F. A.  
Cooper, F. S.  
Corneretto, Alan  
Cotter, M. A.  
Crager, W. C., Jr.  
De Blasio, M. N.  
Degiralamo, A. R.  
De Luca, P., Jr.  
Dickson, F. H.  
Donald, D. D.  
Dudley, R. B.  
Eckstein, A.  
Eggert, J.  
Eisenlohr, D. M.  
Elser, A. C.  
Embrechts, A. C.  
Engh, P. B.  
Epstein, Mark  
Epstein, Milton  
Epstein, Sidney  
Erickson, D. H.  
Espersen, G.  
Faist, C. A.  
Falknor, F. B., Jr.  
Fatseas, N.  
Favre, R. M., Jr.  
Feigenbaum, E. L.  
Feinstein, Jack  
Findlay, D. A.  
Fitting, R. C.  
Fitzpatrick, J. K.  
Fleckenstein, W. O.  
Forman, M. E.  
Frankfort, M. J.  
Frankle, J. T.  
Freudenberg, Boris  
Fritsche, A. J.  
Fritz, C. B.  
Froehlich, F. E.  
Freiman, C. V.  
Furman, Frank  
Furth, F. R.  
Gale, M. C.  
Galione, W. J.  
Galitzer, S.  
Gatzke, F. W.  
Geen, W. E.  
Geldston, Samuel  
Getz, A.  
Giacketti, Nickolas  
Giloth, P. K.

Gleason, J. J.  
Gleason, R. L.  
Goldberg, Bernard  
Goldsmith, A. N.  
Goldstein, E.  
Goodwin, J. M.  
Govinsky, Walter  
Grassman, W. J.  
Griebell, C. A.  
Griffith, P. E.  
Gronner, A. D.  
Grosso, Thomas  
Groth, W. B.  
Grumet, A.  
Guenther, R.  
Gurman, B. S.  
Guthrie, T. F.  
Haas, C. W.  
Habib, S.  
Hannon, La Fayette  
Hansell, C. D.  
Harris, G. C.  
Harris, J. R.  
Hedge, W. C.  
Hirschel, J.  
Hoffman, E.  
Hoffman, J. D.  
Holzman, L. N.  
Hopke, J. A.  
Hopper, K. D.  
Hussein, N. A.  
Hyneman, J. R.  
Ikrath, K.  
Immarco, Anthony  
Iriye, E. H.  
Iurica, J. A.  
Jacoby, D. L.  
Jaenike, W. F.  
Jamison, B. C.  
Jatlow, J. L.  
Johannesen, J. D.  
Johnson, C. V.  
Kalpaxis, J. A.  
Kane, J. R.  
Kaye, H. W.  
Keigher, B. J.  
Keim, Armand  
Kelb, A. J.  
Kemeny, E. S.  
Kerdock, A. M.  
Kimura, Tsutomu  
Kitts, H. L.  
Klein, M. S.  
Klein, T. J.  
Kraus, J.  
Kretzmer, E. R.  
Krevsky, Seymour  
Kroll, P. C.  
Kulinyi, R. A.  
Kullback, I.  
Kurzrok, R. M.  
Landerer, H.  
Lane, R. F.  
Laughland, J. F.  
Lefrak, F. H.  
Levine, J. H.  
Libby, R. L.  
Lielbriedis, K.  
Ligori, J.  
Linder, A. J.  
Livingston, J. R.  
Loutit, J. A.  
Lucky, R. W.  
MacAdam, W. K.  
Mack, Alfred  
MacLaughlin, R. R.  
Mahr, R. W.  
Major, P. A.

Makris, O. J.  
Mannion, J. A.  
Maranzano, J. D.  
Margosian, J. W.  
Markle, R. E.  
Markman, R. M.  
Marotta, A. R.  
Martinson, F. L.  
Marx, D. H.  
Marzoli, A.  
Mattes, A. J.  
Mauksch, G. S.  
McAneney, D. H.  
McBurney, F. J.  
McCabe, R. P.  
McKelvey, W.  
McKnight, R. W.  
Metzner, J. J.  
Meyer, S. F.  
Millar, J. Z.  
Miller, A. H.  
Miller, H. G.  
Miller, R. L.  
Montgomery, G. D.  
Moore, J. C., Jr.  
Mordkowitz, Irving  
Morgan, E. K.  
Morton, A. R.  
Myslicki, R. L.  
Newman, S.  
Newton, A.  
Nicolosi, J. P.  
November, R.  
Nunan, K. W., Sr.  
Oh, S. J.  
Okrent, J. J.  
Olsen, W. A.  
Onder, K.  
Oppenberg, G. A.  
Orefice, G. T.  
Parkins, G.  
Parzen, B.  
Paterno, P. M.  
Patyk, D. G.  
Pearson, H. A.  
Perle, R. C.  
Perlman, S.  
Peixoto, E. S.  
Phanos, S.  
Phillips, J. E.  
Piatoff, E. B.  
Pickering, J. F.  
Pickholtz, R. L.  
Pintell, R. H.  
Pisarski, Jerzy  
Plum, R. R.  
Pollard, A. E.  
Pose, O. I.  
Rabinovici, Benjamin  
Rabinowitz, J.  
Ranky, B.  
Rappeport, M. A.  
Rea, W. T.  
Reaves, A. L., Jr.  
Reed, J.  
Regis, R.  
Rehm, M. P.  
Reich, J. D.  
Reinhardt, J. H.  
Reinhardt, N. J.  
Ressler, H. C.  
Ricca, R. J.  
Richman, Donald  
Richter, J. G.  
Riehs, R. C.  
Rife, D. C.  
Rippere, R. O.  
Robinson, H. L.  
Roessling, W. P.

Ross, A. H.  
Ross, A. H. M.  
Roswell, E. L., III  
Rothstein, G. S.  
Russell, W. J., Jr.  
Ryan, W. R.  
Sachs, S. M.  
Saltman, R. G.  
Saltzberg, B. R.  
Salzman, G. S.  
Santalesa, L. A.  
Sapio, J. J.  
Schiller, Michael  
Schilling, D. L.  
Schimpf, L. G.  
Schlaikjer, Jes. E.  
Schneider, P.  
Schreiner, K. E.  
Schuster, G. M.  
Schwartz, Mischa  
Schwarz, G. R.  
Schwarz, Jakob  
Schwenzfeger, E. E.  
Segner, S. M.  
Seidman, Walter  
Selber, Franklin  
Selden, Norman  
Selender, H.  
Senn, G. F.  
Sharp, C. E.  
Sharp, D. D.  
Sherman, J. B.  
Short, W. P.  
Shulman, I.  
Shuster, R. G.  
Simmons, C. H.  
Simms, R. L., Jr.  
Simpson, Leo  
Skinner, F. J.  
Slevin, R. F.  
Snyder, R. L.  
Sorieri, M. A.  
Spanos, W. M.  
Stern, A.  
Stern, W.  
Stiefel, R. C.  
Stiles, K. P.  
Stone, R. C., Jr.  
Stork, A. M.  
Strahill, J. A.  
Strasser, J. A.  
Sullivan, T.  
Svedosh, Ludvick  
Sylvane, A. A.  
Tanner, D. E.  
Tesar, R. C.  
Thuor, G.  
Torian, J. T.  
Treadwell, M. E.  
Trimble, G. R., Jr.  
Tucker, J. R.  
Vogt, G. F.  
Wachtel, A.  
Wakeley, J. Jr.  
Walsh, J. M.  
Walton, J. S. V.  
Weaver, A.  
Weber, J. H.  
Weber, L. A.  
Weiblen, R. E.  
Weiss, M.  
Weldon, E. J., Jr.  
Wendler, C. P.  
Westheimer, Manfred  
Wichtendahl, W. J.  
Willett, Edward  
Williams, R. D.  
Winderman, J. B.  
Windrick, P. F.

Wolff, J. H.  
Wolontis, V. M.  
Wood, J. A.  
Wu, W. I. L.  
Young, W. R.  
Zabetakis, G. E.  
Zappulla, E. H.  
Zeiner, G. E.  
Zeisler, M. D.  
Zenchoff, Philip  
Zimmermann, R. E.  
Zydney, H. M.  
Zykorie, H. M.

North Jersey

Aaron, M. R.  
Adams, R. T.  
Albrecht, H. W.  
Anaya, F. J.  
Anderson, C. D.  
Arnaud, J. P.  
Arnold, Adolph, Jr.  
Assadourian, F.  
Atwood, J. B.  
Atzenbeck, C. R.  
Bailey, Austin  
Barnabic, E. V.  
Barnett, W. T.  
Barrios, A. A.  
Barthel, D. H.  
Bayliss, E. T.  
Becken, E. D.  
Becker, O. G.  
Beeny, L. S.  
Bemis, E. W.  
Benewicz, T. F.  
Benner, A. N.  
Blatz, R. E.  
Blom, B. V.  
Boettger, R. R.  
Booth, R. P.  
Borman, E. C.  
Brain, Bernard  
Brown, A. T., III  
Brown, R. I.  
Bruce, R. A.  
Brundage, J. H.  
Bullington, K.  
Bullock, D. B.  
Busignies, H.  
Campbell, D. R.  
Caroselli, F.  
Chervenak, R. J.  
Chipp, R. D.  
Chisholm, D. A.  
Cirielli, C. A.  
Clutts, C. E.  
Cocchiaro, M.  
Coggeshall, I. S.  
Cook, J. S.  
Cooper, Bernard  
Cox, J. E.  
Coxhead, H. B.  
Crowley, T. H.  
Crump, E. E.  
Crystal, T. H.  
Cyrrier, L. A.  
Damon, M. H.  
Davis, E. S.  
Dehoney, R. J.  
Deiss, E. W.  
De Monte, V. J.  
De Rosa, Louis  
De Vaughn, J.  
Devera, G. E.  
De Witt, R. G.  
D'Heedene, A. R.  
Diamond, B. S.  
Dickieson, A. C.

Dietsch, C. G.  
Dimock, P. V.  
Doherty, W. H.  
Dorros, Irwin  
Dudley, H. W.  
Dugal, P. J., Jr.  
Dzula, B.  
Ebersol, E. T., Jr.  
Edwards, J. K.  
Eglin, J. M.  
Eisele, R. C.  
Ellis, B. T., Jr.  
Emling, J. W.  
Emurian, A. D.  
Evans, H. W.  
Ewoldt, H. J.  
Fairweather, B. A.  
Fineman, T. P.  
First, W. W.  
Franco, A. G.  
Frank, J. E.  
Franke, H. C.  
French, H. A.  
Freud, E. L.  
Frisch, F. W.  
Ganias, T. E.  
Geldart, W. J.  
Gerlach, G. G.  
Gilbert, E. A.  
Gilmore, J. P.  
Glomb, W. L.  
Gluck, A. M.  
Gobeil, C. E.  
Godley, P. F.  
Godley, P. F., Jr.  
Goldman, H.  
Goldshine, A. D.  
Gonda, T.  
Gordon, M. J.  
Granlund, John  
Gray, L. F.  
Gray, R. E.  
Green, E. I.  
Green, M. W.  
Greenfield, George  
Grossman, A. J.  
Groudan, A. L.  
Halina, J. W.  
Hansell, P. D.  
Hartman, D.  
Harvey, C. C.  
Harvey, J. B.  
Hatch, R. W.  
Hauptschein, Arthur  
Hefe, J. R.  
Henderson, D. M.  
Herbig, A. J.  
Himes, D. I.  
Howard, P. L.  
Huber, G. H.  
Hutchinson, H. P.  
Imboldi, Edmondo  
Irvine, P. L.  
Jackson, E. B.  
Jacobs, B. H.  
Jacobs, I.  
Janoff, Allen  
Jeanjean, A. M.  
Jensen, C. A.  
Johnson, A. C.  
Jung, H. D.  
Kadin, J.  
Kandoian, A. G.  
Kaplan, Martin  
Karger, G.  
Karnaugh, M.  
Kassan, J. D.  
Kelley, R. A.  
Kelley, R. B.

Kelly, J. M.  
Kent, E. A.  
Kiker, J. M.  
Killen, D. E.  
Kirkpatrick, R. A.  
Knapp, G. F., Jr.  
Kneeter, C. P.  
Kolarcik, J. J.  
Kong, J. C.  
Kozimor, M.  
Kram, Walter  
Krantz, A.  
Kuhn, T. G.  
Lair, J. J. B.  
Larson, B. G.  
Lechleider, J. W.  
Leed, D.  
Le Vine, D. J.  
Levine, E.  
Lieberman, I. J.  
Liljegren, J. C.  
Long, J. H.  
Macina, N. A.  
Makowy, William  
Marantz, H. V.  
Marsh, D. J.  
Marshall, R. W.  
Martin, D. W.  
Masnaghetti, R. K.  
Mattern, R. M.  
Masonson, Martin  
Mayo, J. S.  
McGovern, M. J.  
McKay, K. G.  
McKenzie, A. A.  
McSweeney, R.  
Mead, W. H.  
Mitchell, D.  
Moorhead, G. H.  
Morgan, K. C.  
Morrison, R. L.  
Morrow, S. R.  
Mosher, R. E.  
Mottram, E. T.  
Munroe, P. C.  
Murray, J. L.  
Newby, N. D.  
Nixon, V. J.  
Nielsen, A. H.  
Niemi, S. A.  
Norman, T. E.  
Norton, M.  
O'Donnell, D. D.  
Olson, R. C.  
Orlov, I.  
Ostberg, O. S.  
Ostlund, E. M.  
Packard, G. N.  
Pain, D. H.  
Panter, P. F.  
Parowski, G. C.  
Parrott, A. D.  
Parry, C. A.  
Perry, D. P.  
Peters, G. J.  
Peterson, A. C., Jr.  
Pfeiffer, G. L.  
Plummer, R. J.  
Podell, R. L.  
Polkinghorn, F. A.  
Pollack, Louis  
Polyzou, J.  
Pravetz, R.  
Rackin, M. H.  
Ransom, G. B.  
Rapaport, Harold  
Raynsford, C. K.  
Reichle, W. E.  
Richardson, P. H.

Princeton

Baumunk, J. F.  
Bennett, S. B.

Robertson, J. P.  
Roetken, A. A.  
Rosenthal, M. S.  
Ross, G. T.  
Rounds, P. W.  
Sabto-Agami, J. C.  
Sandretto, P. C.  
Sapiro, A. M.  
Sattlem, I.  
Schachtman, M. G.  
Schaefer, F. J., Jr.  
Scheerer, W. G.  
Schildknecht, R. O.  
Schneider, H. L.  
Schreiner, S. M.  
Schultz, J. L.  
Schulz, F. J.  
Schwartz, E. I.  
Schwartz, M.  
Scott, R. M.  
Seabury, E. S.  
Sellers, G. A., Jr.  
Selwyn, D.  
Sereno, C. A.  
Shangraw, C. C.  
Sheffield, B.  
Sheridan, T. R.  
Sichak, William  
Simkovich, J. R.  
Simpson, L. C.  
Skibneski, C. E.  
Smith, H. H.  
Smith, T. J.  
Snediker, J. B.  
Stein, Ernest  
Stein, Emanuel  
Steiner, J. W.  
Stickle, R. L.  
Straube, H. M.  
Strong, W. A.  
Sturdy, W. W.  
Sullivan, B. C., Jr.  
Sumner, E. E.  
Sunde, E. D.  
Surenian, D.  
Tates, R.  
Tatsuguchi, I.  
Tidd, W. H.  
Tobias, Joseph  
Tongue, B. H.  
Trendowski, C. R.  
Troell, R. E.  
Norton, M.  
Tsao, Tsen Cha  
Tuppen, A. R.  
Tyrlick, W. V.  
Uram, J.  
Vaughan, V. N., Jr.  
Vitkovits, Stephen, Jr.  
Wallace, R. R.  
Washburn, C. L.  
Webster, F. D.  
Weiser, F. E.  
Welber, Irwin  
Whalen, A. D.  
Wheeler, G. W.  
Wilewski, H. M.  
Wolf, J. K.  
Woodin, R. H.  
Woodward, R. J.  
Wylde, W. N.  
Yockel, A. P.  
Yost, L. A.  
Young, N. H.  
Zich, M. M.  
Zimmerman, G. A.

Bernstein, A. L.  
Berry, G. L.  
Bisignani, W. T.  
Brereton, C. H.  
Canada, C. E.  
Dawson, S. R.  
Detwiler, S. P.  
Dow, O. E.  
Gollhardt, R. W.  
Gubin, S.  
Hamilton, K. E.  
Handelsman, Morris  
Hoedemaker, R. W.  
Houser, B. E.  
Hunt, R. E.  
Kirsche, R. N.  
Kishi, H. J.  
Kunkel, E. A., Jr.  
Kurland, Marvin  
Landaeta, C. J., Jr.  
Laport, E. A.  
Larson, B. O.  
Lerner, A. M.  
MacLean, K. G.  
Myers, R. S.  
Peterson, J. A.  
Poch, W. J.  
Romeiser, M. B., Jr.  
Schneider, J. N.  
Silverman, D.  
Snyder, M. D.  
Spencer, Thomas  
Thomas, J. H.  
Thompson, J. M.  
Uhler, K. W.  
Ward, H. C., Jr.  
White, H. E.  
Whyland, J. B.  
Wilder, J.  
Woodrige, A. C.  
Zonis, F. I.

Providence

Baer, E. W., III  
Bliss, Z. R.  
Burman, G. A.  
Dandreta, Wm.  
Hill, R. F.  
Kirkland, R. E.  
Park, R. H.

Rochester

Bartholomay, D. R.  
Bass, G. A.  
Bettin, Roger  
Boyer, R. P., Jr.  
Buck, R. C.  
Ertman, R. J.  
Fox, R. S.  
Harris, H. M., Jr.  
Jones, R. W.  
Karas, W. P.  
Mandis, G. A.  
Marcopulos, D. P.  
Nierti, F.  
Ozone, K.  
Portz, H. G.  
Price, C. C.  
Ramos, A. S.  
Rogers, R. J.  
Ruchkin, D. S.  
Sanders, E. W.  
Schwertz, F. A.  
Siniaewsky, A. H.  
Spahn, E. J.  
Stitsky, M.  
Torpie, J. D.  
Voelcker, H. B., Jr.

Waddell, R. B.  
Wallett, R. A.  
Wheeler, J. L.  
Wyman, B. D.  
Zarcone, C. J.  
Zmich, R. E.

Schenectady

Alexander, N. W.  
Anderson, R. E.  
Carpenter, R. H.  
Demaree, F. E.  
Fong, K.  
Kuss, A. P.  
Lenehan, L. J.  
Milton, R. T.  
Shuey, R. L.  
Spalding, J. F.  
Stutt, C. A.  
Taft, W. C.  
Tarnow, H. M.  
Whitten, J. R.

Syracuse

Altes, S. K.  
Applebaum, S. P.  
Chandler, C. C.  
Cheng, D. K.  
Coniber, G. A.  
Costas, J. P.  
Crow, E. O.  
Deal, D. L.  
Donegan, J. H.  
Eaton, R. C.  
Egtvedt, M. D.  
Embree, C. R.  
French, R. W.  
Friant, R. J., Jr.  
Garber, S. M., Jr.  
Huntington, C. F.  
Johnson, R. A.  
Kille, R. W.  
Kipp, K. J.  
Korolenko, A. V.  
Little, D. W.  
Mayo, B. R.  
Mesiano, R. P.  
Morris, A. E.  
Myers, C. H.  
Nupp, W. D.  
Nye, H. A., Jr.  
Olmsted, C. C.  
Perreault, D. A.  
Rego, J. L. G.  
Riley, G. T.  
Rodems, J. D.  
Scalzetti, M. R.  
Sinback, W. R.  
Sproul, S. S.  
Stone, R. F.  
Swanson, R. W.  
Thies, C. H.  
Toce, F. G.  
Walker, R. K.  
Webster, W. C.  
Weimar, J. E.  
Widmann, L. C.  
Woods, C. R.  
Zahora, L. J.

Vermont

Dudley, R. M.

Worcester

Beguin, F. P.  
Briggs, T. A.  
Wolniewicz, R. S.

REGION II

Akron

Bixler, D. A.  
Katzenmeyer, H. C., Jr.  
Kelly, C. M.  
Koller, W. B.  
Tanenhaus, A. M.

Baltimore

Abbott, D. W.  
Barclay, A. S.  
Barker, Floyd  
Blasbalg, H.  
Carroll, T. J.  
Carter, J. C. G.  
Christopher, P. F.  
Culver, D. C.  
Dalgeish, E. G.  
De Andrade, W. C.  
Diemer, F. P.  
Donaldson, R. W., Jr.  
Eaton, T. T.  
Farmer, W. C., Jr.  
Felix, H. E.  
Fleishman, L. S.  
Garrison, C. P., Jr.  
Goodhue, W. W.  
Hagerty, H. S., II  
Hanley, N. B.  
Harcarufka, J. F.  
Hartley, H. F., Jr.  
Heck, J. R.  
Huddleston, F. J.  
Hunt, V. R.  
Jacob, M. I.  
Jacomini, O. J.  
Janzen, G. C.  
Johnson, J. L.  
Johnson, W. A.  
Jones, W. R.  
Kaste, A. H.  
Kipp, T. A.  
King, D. D.  
Kochevar, H. J.  
Kuegler, G. K.  
Leap, G. A.  
Lewinski, D. J.  
Lindow, I. L.  
Marie, C. S.  
Martel, R. J.  
Martin, J. W.  
McConnell, V.  
Mongold, G. E., Jr.  
Morakis, J. C.  
Mueller, E. J.  
Newhouse, P. D.  
Osborne, E. F.  
Parke, H. L.  
Prochazka, A. M.  
Quintiliani, S. M.  
Rapp, Leonard  
Reppard, D. L.  
Rosenblatt, H.  
Roush, R. G.  
Salmento, S. J.  
Sample, D. R.  
Sargent, C. R.  
Scanga, W. A.  
Sepahban, A. H.  
Shireman, D. W.  
Simmons, R. L.  
Skolnik, M. I.  
Smith, E. L., Jr.  
Smith, H. E.  
Smith, R. J.  
Steel, E. N. D., Jr.  
Stefan, R. S.

Stein, L. E.  
Stephenson, J. O.  
Strong, M. E.  
Thomas, A. G.  
Thomas, R. K.  
Trinter, V. E.  
Truske, T. N.  
Vergara, W. C.  
Visher, W. A.  
Walker, F.  
Wedel, J. O., Jr.  
Weinstein, I.  
Wertman, F., Jr.  
Williams, A. D.  
Wolff, S. S.

Canton

Bright, L. D.  
Leslie, F. C., Jr.  
McFeely, H. H.

Central Pennsylvania

Baker, W. L.  
Bogar, J. E.  
Haag, H. D.  
Herman, E. B.  
Lawther, J. M.  
Lewis, J. O.  
Lopez, A. F.  
Milliken, M. P.  
Oyler, E. M.  
Rowlands, R. O.  
Skalka, K. P.  
Smith, J. P.  
Taylor, J. G.  
Yonker, F. H.

Cincinnati

Anderson, G. D.  
Bopp, Calvin  
Busby, L. A.  
Collins, W. H.  
Kennedy, T. A.  
King, D. D.  
Kochevar, H. J.  
Kuegler, G. K.  
Leap, G. A.  
Lewinski, D. J.  
Lindow, I. L.  
Marie, C. S.  
Martel, R. J.  
Martin, J. W.  
McConnell, V.  
Mongold, G. E., Jr.  
Morakis, J. C.  
Mueller, E. J.  
Newhouse, P. D.  
Osborne, E. F.  
Parke, H. L.  
Prochazka, A. M.  
Quintiliani, S. M.  
Rapp, Leonard  
Reppard, D. L.  
Rosenblatt, H.  
Roush, R. G.  
Salmento, S. J.  
Sample, D. R.  
Sargent, C. R.  
Scanga, W. A.  
Sepahban, A. H.  
Shireman, D. W.  
Simmons, R. L.  
Skolnik, M. I.  
Smith, E. L., Jr.  
Smith, H. E.  
Smith, R. J.  
Steel, E. N. D., Jr.  
Stefan, R. S.

Cleveland

Daykin, D. R.  
Draheim, J. L.  
Elze, R. P.  
Geiger, D. L.  
Gramines, V. R.  
Herrick, R. H.  
Kessler, J. C.  
Kihm, R. T.  
Kovats, J. R.  
Kres, A. J.  
Lewis, G. S.  
Maly, E. A.  
Merkel, S. L.  
Messarovic, M. D.  
Rossrucker, E. A.  
Scott, E. P.  
Toncich, S. V.  
Wilson, D. H.  
Wozniak, A. J.

Columbus

Brenner, C. H.  
Brown, R. W.

Crooks, H. N.  
Crooks, R. K.  
Davids, J. E.  
Elliott, G. L.  
Goodman, A. R.  
Hayden, J. R.  
Horvath, J. O.  
Jones, B. J.  
Keesey, J. S.  
Laythe, R. F.  
Luethy, R. E.  
Morgan, D. J.  
Mueller, P. L.  
Nojiri, G. K.  
Peake, W. H.  
Pienkowski, E. C.  
Runyon, C. A.  
Schaffer, A. H.  
Stuart, W. D.  
Telew, William  
Thompson, W. T.  
Williams, R. A.

Dayton

Barker, J. I.  
Benson, M. C.  
Brown, G. T., Jr.  
Cary, P. W.  
Clark, A. D.  
De Fries, W. G.  
Dennis, J. L.  
Dwyer, T. A.  
Hoversten, E. V.  
Lazur, Edward  
Mahler, J.  
McElroy, G. A.  
Negrelli, T. J.  
Nelson, N. A.  
Otten, K. W.  
Perkins, P. E.  
Peterson, T. A.  
Pitinsky, Louis  
Reinhard, K. L.  
Rose, L. H.  
Sampson, J.  
Sarver, G. L.  
Simopoulos, N. T.  
Weber, S. E.

Erie

Cioccio, J. L.  
Van Houten, E. H.

Johnstown

Crabtree, M. A.  
Dandrea, Albert  
Thwaites, R. H.

Lehigh Valley

Gupte, S. K.  
Levengood, J. W.  
Risse, J. A.  
Waer, R. R.  
Wentzel, L. S.  
Wohlfart, E.

North Central Ohio

Brubaker, D. G.  
Cichanowicz, H. J.  
Haferd, F. H.  
Hambrock, H. E.  
Junker, S. L.  
Ots, A.  
Parsons, T. W.  
Svala, C. G.

Philadelphia

Allen, J. R.

Appel, W. N.  
Apple, L. S.  
Arquette, L. K., Jr.  
Auerbach, I. L.  
Avella, N. R.  
Bailey, R. E.  
Baker, L.  
Balakian, G.  
Bash, I. F.  
Beaver, J. A., Jr.  
Beckman, C.  
Binks, R.  
Blackwell, W. C., Jr.  
Blair, J. C.,  
Bolgiano, D. R.  
Bond, H. A.  
Booth, A. T., Jr.  
Boreen, H. I.  
Brattini, S. V.  
Brock, F. M.  
Brown, J. N.  
Bry, J. C.  
Buckwalter, L. W.  
Bullock, J. B.  
Butler, J. G.  
Campopiano, C. N.  
Chudleigh, W. H., Jr.  
Clemens, J. K.  
Clemson, D. B.  
Coleman, A. H.  
Collins, H. B., Jr.  
Combella, E. M.  
Cook, Eugene  
Cooley, C. G., Jr.  
Congdon, W. H.  
Connor, W. J., Jr.  
Conrad, A. F.  
Cotton, R. V.  
Cramer, B. G.  
Curtis, J. J.  
Czorpita, S.  
Dahlberg, R. S., Jr.  
Darracott, H. T.  
Deml, A. J.  
Di Russo, E.  
Dunn, E. B.  
Edwards, N. E.  
Egan, W. E.  
Eisenstein, B. A.  
Elderkin, C. D.  
Emerle, E. K.  
Falvey, T. L., Jr.  
Fang, Jen-Cho  
Farrell, C. L.  
Fastring, R. A.  
Feryszka, M.  
Fey, R. C.  
Fichthorn, R. J.  
Foo, S. K.  
Fredman, I. J.  
Friend, A. W.  
Funk, K. A.  
Galleshaw, J. J.  
Garcia, S. C.  
Garfield, E. E.  
Garrett, L. B., Jr.  
Glazer, B. G.  
Gleitman, J.  
Glenn, A. B.  
Godshall, M. M.  
Goldman, H. B.  
Goldman, S.  
Gonzalez, C. P.  
Goodman, Harry  
Gottlieb, M.  
Gray, S. A.  
Gregory, T. R.  
Gumacos, Constantine

Hagen, D. L.  
Hahn, P. M.  
Halko, C. E.  
Hall, R. W.  
Hannan, W. J.  
Harcar, A. R.  
Harris, W. A.  
Hartshorne, F. A.  
Hazelwood, C. A.  
Heckelman, T. J.  
Heller, S. S.  
Hennessy, G. C.  
Hermann, P. E.  
Hockeimer, H. E.  
Hoffman, G.  
Hoffman, L. E.  
Hollis, R. W.  
Holshouse, J. R., Jr.  
Honert, G. B.  
Hudgings, D. W.  
Hudgins, W. D.  
Hurd, R. G.  
Hurst, S. R.  
Hustead, L. D.  
Hymas, D. G.  
Into, A. N., Jr.  
Jednacz, T. C.  
Johnson, J. F.  
Johnson, M. C.  
Kalkman, E. C.  
Keller, E. W.  
Kirk, D. Jr.  
Klein, M. J. H.  
Knouse, R. H.  
Kotler, S. J.  
Koval, J. F.  
Kraus, C. R.  
Kuhnle, R. C.  
Kulesha, K. J.  
Lambert, W. H.  
Lawton, R. S.  
Leonard, J. F.  
Lieberman, G.  
Ling, D. A.  
Lockhart, J. C.  
Long, M. L., Jr.  
Lounsbury, E. P.  
Luscombe, C. F.  
Lynn, S.  
Magasiny, I. P.  
Masurat, G.  
Mathwich, H. R.  
McClung, J. G., Jr.  
McFall, T. J.  
McLaughlin, W.  
McMichael, R. D.  
Miami, L. R.  
Miller, M. N.  
Morris, L. C.  
Muckel, F. H.  
Nardontonia, J. A.  
Neubauer, J. R.  
Nickett, G. R.  
Niemann, Edward, Jr.  
Noble, R. B.  
Novik, J.  
O'Brien, T. J.  
O'Neill, M. J.  
Osbahr, B. F.  
Owings, J. L.  
Peebles, P. Z.  
Plotkin, I.  
Pomparelli, J. J.  
Potosky, M.  
Price, W. E.  
Prihar, Z.  
Puigdollers, Emilio, Jr.  
Randall, N. C.

Raymond, J. A.  
Rivera, R. W.  
Robinson, J. O.  
Rocamora, R. L.  
Rogers, D. H.  
Roop, R. W.  
Rose, H. E.  
Ruff, J. A.  
Russo, L. J.  
Ryan, R.  
Ryan, V. F., Jr.  
Ryan, W. J.  
Saks, H. L.  
Sapp, D. H.  
Sayer, T. C.  
Schlueter, R. C.  
Selby, E. O.  
Senulis, R. E.  
Shen, D. W. C.  
Sher, N.  
Shoaf, J. R., II  
Simons, K. A.  
Smith, E. D.  
Smith, J. F.  
Smith, R. C.  
Solomon, K.  
Soonoo, E. L.  
Speights, M. T.  
Spiegel, S. S.  
Stahl, R. A.  
Starks, W. H.  
Steele, R. W.  
Story, T. H.  
Strip, Joseph  
Swana, J. J.  
Tenney, R. F.  
Thomas, J. K., II  
Thompson, L. E.  
Thompson, R. L.  
Thomson, D. N.  
Turner, R. J.  
Turner, R. T.  
Van Auken, B. A.  
Veldhuis, A. C.  
Wagner, R. J., Jr.  
Wai, K. N.  
Waikeneus, J.  
Wald, S.  
Weiner, Milton  
Wheeler, B. F.  
White, O. S.  
White, R. J.  
Wickizer, G. S.  
Williams, T. L.  
Whitherspoon, J. M.  
Wilder, M. K.  
Woessner, W. J., Jr.  
Wolin, L.  
Yang, T.  
Zebrowitz, S.  
Zimmerman, M. S.

Pittsburgh

Anderson, W. N., Jr.  
Bossart, P. N.  
Claus, F. R.  
Eggers, C. W.  
Foss, W. B.  
Golla, E. F.  
Jenkins, J. A.  
Macey, E. A.  
Malmberg, P. R.  
Roscoe, A. M., Jr.  
Schaeperkoetter, L. C.  
Scott, J. P.  
Shutterly, H. B.  
Sziklai, G. C.

Sharon  
Anzelmo, F. D.  
Johnson, K. M.

Southern New Jersey

Clavier, A. G.  
Kester, R. E.  
Kups, E. F.  
Rogers, D. C.  
Wright, M. E.

Susquehanna

Buck, A. E.  
Gadbois, G. S.  
Gardner, G. F.  
Haas, H. H.  
Laird, D. A.  
Rippon, S. G.

Washington

Adair, G. P.  
Albanes, N. J.  
Alberts, W. S.  
Albertson, F. W.  
Allen, D. A.  
Altman, F. J.  
Amis, C. W.  
Anderson, L. D.  
Anderson, W. R.  
Andrew, R. T.  
Ankers, R. E., Jr.  
Arneth, A. P., Jr.  
Awramik, J.  
Ayer, W. T.  
Babbitt, A. E., Jr.  
Babcock, J. H.  
Bain, W. F.  
Ballard, A. H.  
Ballard, J. L.  
Begue, G. P.  
Belford, K. R.  
Benjamin, R. P.  
Blasdel, F. G.  
Boggs, Gail E.  
Bourland, L. T.  
Bower, H. D.  
Boymel, B. R.  
Brady, M. E.  
Brittle, D. F.  
Broderick, T. E.  
Brown, D. J.  
Brown, H. M.  
Burrows, C. R.  
Bush, G. P.  
Cahan, P. J.  
Campbell, W. F.  
Cannon, W. W.  
Carpenter, R. J.  
Carr, L. H.  
Carrick, R. L.  
Castro, A. A.  
Chadwell, W. L.  
Chappuis, C. K.  
Chen, S. N. C.  
Chu, Y.  
Clark, M. C.  
Clark, R. L.  
Climie, B. R.  
Coddington, D. L.  
Coffee, J. M.  
Cole, J. E.  
Cole, R. I.  
Colligan, F. S.  
Collins, J.  
Connell, R. S.  
Cook, F. W.  
Cooke, N. M.  
Cooley, A. G.

Corbett, C. K.  
Corkill, J. F.  
Cottrell, J. E., Jr.  
Coulter, M. D.  
Cowan, B.  
Crabill, P. F., Jr.  
Cronin, J. E.  
Crutchfield, A. E.  
Culbertson, W. E.  
Dahlman, P. O.  
Dalle Mura, P. H.  
Dan, Carlo  
Dassler, A. F.  
Davis, R. C.  
Deal, W. R.  
Dean, C. E.  
De Hart, W. D.  
Dent, J. R.  
Dentel, W. A.  
De Socio, G.  
Dickinson, W.  
Dodrill, G. E.  
Downing, J. P., Jr.  
Doyle, E. J.  
Draper, C. A.  
Dunlavy, J. H., Jr.  
Dupree, J. N.  
Dupkovic, J. E.  
Dyke, E.  
Early, D. M.  
Eckert, R. P.  
Edwards, N. P.  
Eiwen, C. J.  
Ellersick, F. W.  
Engleman, C. L.  
Eppes, J. B., Jr.  
Estill, S. M.  
Evans, W. H.  
Fabre, G.  
Farr, F. Jr.  
Felton, W. W.  
Filipowsky, Richard  
Fine, H.  
Fivel, M. J.  
Floegel, M. E.  
Flores, A. H.  
Frank, F. P. E.  
Frederick, C. L.  
Frederick, E. W.  
Freeman, J. T.  
Frenkel, G.  
Galane, I. B.  
Gancie, J. J.  
Garfo, N. A.  
Gautreaux, A. A.  
Gaze, R. H.  
Gertz, R. W.  
Getman, G. A., Jr.  
Giaudrone, T. D.  
Giboin, E.  
Goodrich, E. E.  
Gordon, C. W.  
Goyette, P. E.  
Greenwood, D. R.  
Griffin, L. L.  
Grisamore, N. T.  
Gruman, E. L.  
Guscott, J. K.  
Hagerling, S. W.  
Halvorsen, H. W.  
Halvorson, R. L.  
Hanford, R. W.  
Harris, M. L.  
Harvey, G. L.  
Haskins, R. L.  
Hayes, E. J., Jr.  
Haynes, W. A., Jr.  
Heffernan, P. J.

Heinz, K. E.  
Henry, V. F.  
Hesse, G. L.  
Hettinger, J. R.  
Hibbert, J. J.  
Hildreth, E. C., Jr.  
Hoch, P.  
Hocking, L. J.  
Hodges, M. F.  
Hodgin, W. J.  
Holcomb, W. L.  
Hollingsworth, B. F.  
Hollis, J. L.  
Holzer, W. H.  
Hultberg, R. M.  
Hurley, D. L.  
Issette, A. L.  
Jackson, C. H.  
Jacobellis, B. R.  
Jacobs, G.  
James, J. L.  
James, W. G.  
Jansen, J.  
Jensen, C. L.  
Johnson, C. A.  
Johnson, G. K.  
Johnston, A. M.  
Jones, M. E.  
Kasnicki, E. J.  
Katzin, Martin  
Keelr, R. E.  
Kennedy, W. A.  
Kerastas, H.  
Kindell, F. E.  
King, W. P.  
Kinsey, L. F.  
Kitchener, R. A.  
Knickel, E. R.  
Komiske, P. T.  
Kovar, M. M.  
Krahe, L. R.  
Krantz, F. H.  
Krccek, J. A.  
Kyle, D. N.  
Laine, R. O.  
Laker, E. F.  
Larsen, P. J.  
Laughlin, C. R., Jr.  
Leavitt, W. E.  
Lee, P. H.  
Lending, R. D.  
Lepper, W. E.  
Lerner, Lawrence  
Levandovsky, N. R.  
Levin, W. S.  
Levine, R. H.  
Lieberman, R. A.  
Light, L.  
Lilly, R. G.  
Linker, M. E.  
Little, S.  
Lukshin, A. A.  
Lyon, Edwin III  
Linton, F. T.  
Mack, S. J.  
Magdeburger, P. E.  
Marlow, W. C.  
Martin, G.  
Mazer, W. M.  
McEachen, A. D.  
McGowan, J. E.  
McKinney, J. C.  
McLeod, J. S.  
McNeil, G. E.  
McWiggan, T. J.  
Meenahan, W. J.  
Metzger, S.  
Michaelis, T. D.

Mickey, L.  
Miles, P. D.  
Miller, J. D.  
Mironov, A. A.  
Mischler, E. F.  
Mitchell, J. H., Jr.  
Moff, R. J.  
Morelli, M.  
Morrison, P.  
Muir, W. A.  
Murray, J. T.  
Myers, R. F.  
Nailor, D. J.  
Neely, G. M.  
Nehl, W.  
Nerbink, L. R.  
Nicholson, L. W.  
Niebuhr, K. E.  
Norton, N. L.  
Norton, W. M., Jr.  
Nowakoski, D. B.  
O'Brien, B. C.  
Oittinen, K. E.  
Olson, J. C.  
Orr, C. B., Jr.  
Otto, E. D.  
Padgett, M. M.  
Page, O. D.  
Pankowski, B. J.  
Patch, H. W., Jr.  
Peters, G. A.  
Petry, C. A.  
Pichetto, P. B.  
Pickering, T. A.  
Plehn, A. D.  
Pollow, C. H.  
Poor, V. D.  
Portmann, P. A.  
Powers, R. C.  
Prescott, H.  
Pride, R. W., Jr.  
Pruitt, J. A.  
Puente, J. G.  
Pugh, J. W.  
Quenstedt, R. E.  
Quintavell, C. II  
Rasmussen, A. R.  
Reese, M. R., Jr.  
Renner, J. J.  
Reynolds, R. H., Jr.  
Rifkin, M.  
Rizzoni, E. M.  
Robinson, L. M.  
Rockwell, P.  
Roehr, W. C., Jr.  
Rohrer, R. E.  
Rothrock, H. B.  
Rovang, R. J.  
Ruff, D.  
Rulofson, C. H.  
Rutelli, J. P.  
Ryan, D. C., Jr.  
Safford, L. F.  
Sanborn, R. L.  
Sargent, C. J.  
Savarese, R. T.  
Sawitz, P. H.  
Schlegelmilch, R. O.  
Schmitt, C. H.  
Schottland, F. D.  
Schroeder, E. N.  
Schwartz, S.  
Scott, R. M.  
Shalag, W. C.  
Shapiro, Gustave  
Shen, K.  
Sherrick, D. C.  
Silins, A.

Simis, R. L.  
Singer, C. H.  
Smith, K. F.  
Smith, W. M.  
Snider, R. R.  
Snowberger, A. A.  
Solomon, D. L.  
Speers, O. F.  
Spencer, C. L.  
Stelter, L. R.  
Stewart, J. L.  
Stukey, R. E.  
Sullivan, A. H., Jr.  
Svedlow, J. D.  
Swan, N. C.  
Talley, R. P.  
Taylor, R. E.  
Tenkhoff, P. A.  
Terauds, J. J.  
Thompson, D. H.  
Toth, Emerick  
Treyner, P. E.  
Tuckerman, R. G.  
Turnipseed, T. E.  
Tuttle, J. O.  
Uhl, N. P.  
Ungar, A. J.  
Van Blerkom, R.  
Varhus, H. H.  
Vea, T. H.  
Vignali, J. A.  
Vokes, J. C.  
Wagner, R. B.  
Wainwright, R. A.  
Walden, R. M., Jr.  
Waldschmitt, J. A.  
Wallace, J. D.  
Wallace, W. D.  
Walsh, J. P.  
Walter, J. C.  
Warren, L. M.  
Waters, R. W.  
Watkins, C. F.  
Watkins, W. H.  
Webster, E. M.  
Weigel, R. L.  
Weihe, V. I.  
Weinschel, B. O.  
Welch, C. M.  
West, H. R.  
Wheeler, L. B.  
White, A. C.  
Whitehead, A. L.  
Whitenight, D. N.  
Wiecking, K. D.  
Williams, C. H.  
Wilson, S. L.  
Winter, R. E.  
Wong, Y. S.  
Worne, B. E.  
Worthington, D. T.  
Worthington, J. W., Jr.  
Wright, C. S.  
Yaplee, B. S.  
Yeh, L. P.  
Zitzmann, F. R.

West Virginia  
Londis, J. J.

Williamsport  
Jackson, K. A.

REGION III

Alabama  
Dixon, B. F.  
Durrett, C. S.

Morton, H. S.  
Smith, D. L.  
Tillman, E. R.

Atlanta  
Beckworth, W. K.  
Berry, J. B., Jr.  
Betts, R. W.  
Billings, R. H.  
Bond, D. E.  
Boyles, C. R.  
Bradshaw, W. E., II  
Clifton, W. R.  
Creel, J. D.  
Finn, D. L.  
Fowler, N. B.  
Harrison, A. E.  
Hester, S. D.  
Holder, F. P.  
Howard, D. A., Jr.  
Jones, W. B., Jr.  
Kratsch, P. H.  
Lifshitz, S.  
McGrady, W. J.  
McMahon, D. W.  
Montgomery, B. E.  
Porter, J. W.  
Pyron, B. O.  
Robertson, L. T.  
Ryan, P. J.  
Sparkman, R. W.  
Standifer, W. C.  
Sullivan, W. L.  
Thomas, J. S.  
Turner, T. A., Jr.  
Willis, J. S.  
Wilson, D. G.  
Wright, W. W.

Baton Rouge  
Whipple, C. L.

Canaveral  
Anderson, J. P.  
Bellinger, W. H.  
Bush, J. E.  
Coleman, H. E.  
De Dufour, W. F.  
Ferguson, R. E.  
Gill, D. J.  
Glass, E. R.  
Grace, B. J.  
Hansell, C. W.  
Kepcke, J. J.  
Lane, J. R.  
Lathrop, R. J.  
Merrigan, C. F.  
Million, T. E.  
Olson, R. E.  
Pelchat, G. M.  
Perkins, F. M., Jr.  
Perkins, W. W.  
Pester, R. F.  
Peterson, H. O.  
Scherf, H.  
Shampnoi, W. R.  
Sissom, A. W.  
Stotz, R. P.  
Turvey, F. P.  
Valentine, E.  
Versteeg, D. A.  
Wade, R. J.  
Webster, R. E.  
White, G. W., Jr.  
Wren, A. W., Jr.

Central Virginia  
Adkins, W. R.

Clement, R. R.  
Corbell, I. T., Jr.  
Davids, H. H.  
Dewire, G. M.  
Durrani, S. H.  
Farmer, R. A.  
Gordon, R. T.  
Green, W. C.  
Johnson, M. L.  
Kenefake, E. W.  
Kluender, E. C.  
Linker, J. B., Jr.  
Lowe, R. F.  
McKee, T. A.  
Overstreet, E. A., III  
Pinkerton, D. C.  
Pittman, N. W.  
Pitzer, H. B.  
Rose, G. D., Jr.  
Schwartz, R. C.  
Smee, P. G.  
Stiles, C. W., Jr.  
Thomas, H. P.  
Vadasz, A. J.

Chattanooga  
Cox, A. F.  
Duncan, J. C.  
Jernigan, D. R.  
Smith, R. T.

East Tennessee  
Haynes, W. M., Jr.  
Johnson, W. S., III  
Rosenberger, J. R.  
Thompson, G. R.  
Williams, G. F.

Evansville-Owensboro  
Weir, D. L.  
Welsh, A. B.  
Wilson, S., Jr.

Florida, West Coast  
Aucremann, R. C.  
Bailey, D. C.  
Bellare, D.  
Campa, F. J.  
Dalabakis, E. J.  
Dingley, E. N., Jr.  
Donaldson, M. R.  
Ehrhorn, R. W.  
Eliason, M. C.  
Feldhusen, R. L.  
Fisher, S.  
Garrott, L. O.  
Glenn, R.  
Halpern, P. H.  
Hemmer, F. A., Jr.  
Hildebrand, G.  
Horton, A. L.  
Lampkin, G. F.  
Larson, E. V.  
Lawton, G. P.  
Little, H. W.  
Mensch, J. R.  
Munday, T. W.  
Pichal, H. T.  
Powers, D. M.  
Saraydar, R. A.  
Scott, L. E.  
Slougher, G. S.  
Wallace, H. L.  
Wells, E. L.  
Uglow, K. M., Jr.

Fort Walton  
Howard, D. F.

Williamson, R. E.

Gainesville  
George, T. S.

Hampton Roads  
Boyer, W. J.  
Hastings, C. E.  
Hauck, R. A.  
Howell, J. E., Jr.  
Jeffers, N.  
Lawrence, H. M.  
McFall, C. H., Jr.  
McLain, J.  
Schumann, L. J.

Huntsville  
Childs, P. B., Jr.  
Dotson, E. J.  
Frost, W. O.  
Hagood, J. W.  
Jones, R. L.  
Simmons, J. W., III  
Stansberry, J. R.  
Straits, R. G., Jr.  
Wild, A. F.

Jacksonville  
Dillon, L. G.

Lexington  
Hickerson, J. E.  
Hornung, L. M.  
Ogden, W. R.  
Rahenkamp, R. A.  
Thomson, R. W.

Louisville  
Durand, E. E., Jr.  
House, T. R.

Memphis  
Krasner, M. H.  
Lapish, R. F.

Miami  
Bryant, C. S.  
Cook, H. A.  
Diamond, B. B.  
Pratt, Haraden

Mississippi  
Stewart, D. E.

Mobile  
Molyneux, M., Jr.

Nashville  
Gerth, V. W., Jr.  
Howard, J. D., Jr.  
Parish, E. W., Jr.  
Wilson, J. R., Jr.

New Orleans  
Cronvich, J. A.  
Hall, P. R., Jr.  
Nolan, B. H.  
Sackman, D. J.  
Tharp, W. C.  
Tinsler, H. C.  
Weathersby, T. P.

North Carolina  
Barlow, J. E.  
Barron, J. I.  
Bartlett, R. E.  
Brown, J. R.  
Clark, H. W.

Gannett, D. K.  
Genaille, R. A.  
Horne, W. H. III  
Howard, T. E.  
Kennedy, R. L.  
Ladley, A. E., Jr.  
Larson, G. C.  
McDuffie, D. D.  
McLane, A. R.  
Moretz, W. P.  
Newton, H. L.  
Potter, R. E.  
Roberts, W. L.  
Slater, R. C.  
Smith, C. H.  
Smith, P. G.  
Teal, J. B.  
Young, B. E.

Oak Ridge  
Dale, J. A.

Orlando  
Anderson, G. F.  
Baxter, D. D.  
Eddy, W. L.  
Grossman, H. W.  
Haas, D. L.  
Horton, W. H.  
Kasowski, S. E.  
Lazarus, D. H.  
Mallison, R. E.  
Marks, W. S., Jr.  
McCanless, C. P.  
McClure, G. F.  
McGinnis, C. E.  
Murphy, J. T., Jr.  
Rudin, M. B.  
Stringer, K. E.  
Suganuma, P. K.  
Varsos, S. G.  
Walter, J. M. Jr.  
Whitescarver, C. D.  
Patrick, W. S.  
Woolsey, W. O.

Palm Beach  
Holley, M. V.

Pensacola  
Denbow, K. D.  
Scarborough, H. H.

Richmond  
Moser, C. G., Jr.

South Carolina  
Bailey, R. N.  
Clarson, J. C.,  
Cory, I. W.  
Elder, W. W., Jr.  
McCullum, L. T., Jr.  
Miler, G. G., Jr.

Virginia Mountain  
Keller, E. F.  
McAlpine, G. A.  
Quarles, L. R.  
Skutt, H. R.

REGION IV

Cedar Rapids  
Beck, I. C.  
Brady, E. K.  
Bruene, W. B.  
Carroll, R. W.  
Cox, R. T.

Craft, L. M.  
Diedrichs, R. O.  
Gerks, I. H.  
Gilmore, C. P.  
Henrici, C. R.  
Koch, R. W.  
Leverington, R. D.  
Sawville, E. V.  
Sellers, G. W.  
Stover, H. A.  
Sudduth, J. F.  
Wei, Y-M  
Wulfsberg, P. G.

Central Illinois  
Brown, G. S.  
Hacker, M. W.  
Hoyt, W. A.  
Kelly, G. L.  
Mast, P. E.  
Yackish, T. M.  
Zilis, G. S.

Central Indiana  
Ashlock, J. C.  
Chomos, G. J.  
Clark, W. F.  
Graziano, V.  
Evans, H. R.  
Evans, J. W.  
Gilliam, D. W.  
Hahn, J. E.  
Hancock, J.  
Harden, J. G.  
Huppert, C. B.  
Jenkins, R. L.  
Larsen, J. G.  
Martin, A. R.  
Marquart, R. G.  
Miller, D. C.  
Mix, D. F.  
Moench, H. A.  
Niemoeller, D. E.  
Oblinger, F. C.  
Onesky, W. J.  
Quincy, E. A.  
Rink, R. A.  
Shaw, K. A.  
Schwarzlander, H.  
Shoop, D. M.  
Stauffer, R. W.  
Votava, C. J.  
Warner, G. S.  
Wintz, P. A.

Central Iowa  
Hoffman, L. D.  
Johnston, D. H., Jr.  
Nicholas, D. C.  
Zobrist, D. W.

Chicago  
Aagaard, J. S.  
Argoudelis, E.  
Azukas, D. C.  
Banas, D. P.  
Barnes, R. W., Jr.  
Berry, R. F.  
Bickel, L. L.  
Bilsens, G.  
Bingham, R. L.  
Bradbery, J. L.  
Bridges, J. E.  
Brown, R. D.  
Bryan, R. H.  
Butterfield, O. L.  
Callahan, B. E.  
Casterline, P.

Chesnul, J. J.  
Choncholas, J. J.  
Clark, J. M.  
Cohen, M. S.  
Cooper, M.  
Correia, F., Jr.  
Czeropski, W. P., Jr.  
Dailing, J. L.  
Davis, R. H.  
Darling, L. A.  
Ditthardt, A. R.  
Eilers, C. G.  
Engelbrecht, L. R.  
Fockens, P.  
Forrester, E. D.  
Frank, C. W.  
Frantz, R. W.  
Fu, Y-S  
Garrigues, R. D.  
Gerontzos, J. P.  
Giffin, G. S.  
Gilbo, E. G.  
Glasser, J. R.  
Goldstein, R.  
Goodfriend, G. M.  
Griffith, B. G.  
Griffith, F. W. II  
Graziano, V.  
Grimme, H. J.  
Hajek, R. J.  
Hall, W. M.  
Hansen, J. R.  
Hansen, P. J.  
Hansen, T. A.  
Henmueller, F. Nm.  
Hess, W. I.  
Hirner, J. A.  
Hodson, L. A.  
Howard, J. T.  
Hupert, J. J.  
Hutson, D. E.  
Jarvis, K. W.  
Jeffery, T. H.  
Kahn, F. L.  
Kalas, G. W.  
Kanter, A. E.  
Kazel, S.  
Klein, D. F.  
Kleinke, B. L.  
Klem, R. F.  
Knop, C. M.  
Koller, D. C.  
Kowols, G. J.  
Krasnow, M. E.  
Kusner, W. J.  
Lamons, R. P.  
Leahy, P. J.  
Leslie, W. G.  
Lotterman, S.  
Ludwig, J. T.  
Magnuski, H.  
Maier, R. H.  
Mankivsky, A.  
Marquedant, R. J.  
May, J. E.  
McKesson, L. J.  
Miller, T. P.  
Moore, H. E.  
Morris, L. P.  
Morrison, R. E.  
Moyer, L. E.  
Nagley, R. J.  
Names, C. L.  
O'Grady, J. J.  
Padgett, W. J.  
Padgett, K. W.  
Parlatore, P. J.  
Patterson, R. H.

Patton, F. A.  
Peter, D.  
Rafaels, U.  
Raphel, J. C.  
Reese, E. D.  
Rett, H. C.  
Roldan, J. A.  
Roschke, E. M.  
Roth, L. T.  
Sacco, G. F.  
Shedrow, E. L.  
Schildgen, R. M.  
Schmidt, R. B.  
Seehawer, J. E.  
Slayton, R. D.  
Van Slyck, W. S.  
Smith, E. E.  
Soma, R.  
Soria, R. M.  
Splitt, F. G., Jr.  
Stastny, G. F.  
Steel, F. R., Jr.  
Stella, J.  
Stevens, H. R.  
Stewart, J. E.  
Stone, J. H.  
Stroik, R. G.  
Struck, D. E.  
Swanson, B. E.  
Tracy, W. F.  
Tsai, S.  
Ulaszek, J. J., Jr.  
Ulaszek, T. J.  
Hansen, T. A.  
Valois, C. J.  
Wagner, C. S.  
Ward, R. W.  
Warfield, R. W.  
Weidenkoff, T. E.  
Wendell, O. F.  
Westerlund, C. T.  
White, E. S.  
Wienczek, Z.  
Winter, N. I.  
Wittkop, C. F.  
Woolsey, R. J.  
Yau, Sik-Sang  
Zender, R. G.

Fort Wayne  
Aldred, E. D.  
Bennett, E. Y., Jr.  
Conley, W. H.  
Krasnow, M. E.  
Mast, J. G.  
Mohr, J. G.  
Quinlan, R. V.  
Rice, W. D.  
Ross, P. C.  
Smith, T. M.  
Zins, W. A.

Illinois Valley  
Launer, E. L.

Madison  
Beth, R. V.  
Boss, W. O.  
Fontaine, A. B.  
Peterson, O. E.

Milwaukee  
Aasterud, J. P.  
Drott, A. G.  
Feldner, L.  
Kastenholtz, J. E.  
Limpel, E. J.  
Luedtke, R. L.



Metz, K. L.  
Ohms, D. V.  
Robinson, D. E.  
Spayth, F.

Nebraska

Beshore, P. S.  
Crozier, C. R.  
Doll, C. L.  
Doll, R. E.  
Hunt, R. A.  
Hyde, C. M.  
Mimick, G. C.  
Ponton, J. D.  
Risley, M. I.  
Rutledge, J. P.  
Schneider, A. A.  
Wade, L. P.  
Wycoff, K. H.

Northeast Wisconsin

Keithly, D. A.  
Page, C. V.  
Salava, R. F.

Rock River

Belcher, J. S., Sr.  
Bryant, H. D.  
Evers, H. G.  
Waller, D. W., Jr.

Siouxland

Rogers, R. H.

South Bend

Conrad, J. O.  
Holzmann, C. A.  
Houck, H., Jr.  
Husung, D. L.  
Koster, W. J.  
Odehnal, J. J.  
Stapulionis, A. R.  
Watson, D. P.

Southeastern Michigan

Beard, D. C.  
Bialik, J. A.  
Burns, J. A.  
Chute, G. M.  
Clark, N. T.  
Cohn, A. L.  
Curtiss, P. F.  
Daly, J. J.  
Dute, J. C.  
Ebert, D. H.  
Faram, H. D.  
Farris, H. W.  
Fermis, C. C.  
Franklin, R. M.  
Gille, F. H.  
Gioia, A. J.  
Harokopus, W. P.  
Hoellerich, G.  
Holland, L. N.  
Jania, Z. J.  
Jankowski, Joseph, Jr.  
Kent, C. E.  
Lanning, H. E.  
Macnee, A. B.  
Miller, D. A.  
Moore, K. A.  
Munster, A. C.  
O'Neal, R. D.  
Pages, E. V.  
Paprocki, C. R.  
Pressel, P. I.  
Radcliffe, A. J., Jr.

Raney, R. K.  
Rauch, L. L.  
Reiser, J. W.  
Relyea, J. R.  
Ristenbatt, M. P.  
Robinson, D. F.  
Root, W. L.  
Sirokey, J. M.  
Smith, R. K.  
Smith, N.  
Strand, J.  
Taxis, H. M.  
Tiemann, C. R.  
Wisner, D. A.  
Zaitzeff, E. M.

Southern Minnesota

Moe, J. L.  
Stoltenberg, K. D.

Toledo

Day, E. G.  
Doubler, G. D.  
Hetrick, E. H.  
Latham, J. P.  
Rosenstein, M. D.  
Steffel, R. V.  
Wott, H. W.

Twin Cities

Andrs, W. L.  
Barcus, G. E.  
Bigelow, W. B.  
Bresnan, W. J.  
Casey, E. J.  
Christgau, M. A.  
Clark, N. Jr.  
Cohen, I.  
DuFour, G. L.  
Edwards, P. E.  
Forchtner, J.  
Garrison, M. M.  
Grosz, W. S.  
Johnson, G. H.  
Johnson, R. A.  
Kahnke, J.  
Kanda, A. F.  
Kumpula, L. L.  
Leddin, D. W.  
Morell, C. S.  
Myers, R. T.  
Newman, M. M.  
Norton, V. E.  
Powell, R. M.  
Recksiedler, A. L.  
Robel, R. B.  
Sabine, L. E.  
Saprasa, A. G.  
Schrenkler, L. H.  
Schulz, S. W.  
Scott, R. L.  
Thompson, R. G.  
T'Kach, H. V.  
Thorson, J. M., Jr.  
Ulstad, M. S.

Western Michigan

Scott, H. R.  
Trizna, E.  
Van Campe, F. M.

REGION V

Arkansas

Cole, C. F., Jr.  
Raju, T. A.  
Stanley, B. B.

Central Texas

Chappell, R. G.  
Cole, J. G.  
Dolle, W. C.  
Edgerton, R. D.  
Falk, R. L.  
Lane, R. N.  
McQuown, A. N., Jr.  
Munsch, G. F.  
Owen, T. E.  
Roemer, J. S.  
Twitchell, A.  
Vivian, R. A.

Corpus Christi

Roberts, J. D.  
Zazvorka, J., Jr.

Dallas

Aldridge, J. M.  
Boyles, A. E.  
Braginton, P. R.  
Brodnax, C. T.  
Bullock, M. W.  
Burgin, J. G., Jr.  
Carnell, R. E.  
Clinger, A. H.  
Cunningham, A. R.  
Davis, D. K.  
Doherty, J. E., Jr.  
Earhart, C. E.  
Fisher, L. M.  
Francis, T. L.  
Geisel, F. J.  
Gohry, H. A.  
Goode, G. E.  
Gorham, J. N.  
Hardgrave, W. F.  
Hargrave, T. A., III  
Harris, C. M.  
Hern, H. D.  
Hertel, P., Jr.  
Hill, L. K.  
Hinkle, J. W.  
Holden, W. S.  
Hutson, R. N.  
Ivy, A. W.  
Kaiser, R. L.  
Kromer, R. E.  
Leming, T. L.  
Lewis, M. T.  
Lewis, R. S., Jr.  
Livingston, R. M.  
Luthans, R. L.  
McLean, C. H., Jr.  
Malm, R.  
Martin, D. W.  
Mason, A. E., Jr.  
Maxwell, K. D.  
McBride, A. L.  
McConoughey, S. R.  
McCutcheon, T. L.  
Miedke, R. C.  
Mitchell, W. B.  
Mitchell, W. D.  
Parvin, T. M.  
Perry, R. A.  
Phillips, P. H.  
Price, J. F.  
Prickett, R., Jr.  
Reisch, F. E.  
Reynolds, R. B.  
Riley, W. M.  
Royalty, M. C.  
Sebesta, G. H.  
Selman, H. L.  
Sims, C. R.  
Sissom, J. R.

El Paso

Chin, B.  
Fobes, R. D., Jr.  
Poterack, J. L.  
Rojas, A. M., H.

Fort Worth

Bennett, K. A.  
Carr, W. B.  
Greene, C. E.  
McGehee, J. H.  
Murphy, G. F.  
Perry, J. L.

Houston

Anzelmo, S. S., Jr.  
Ball, B. W.

Skinner, B. S., Jr.  
Smith, M. W.  
Stanton, A. N.  
Steinberg, T. C., II  
Stewart, F.  
Stout, R. F.  
Thompson, J. D.  
Wilkinson, M. M.  
Wunsch, D. E.  
Ziemer, D. R.

Denver

Adams, J. E.  
Auterman, J. L.  
Ball, L.  
Barghausen, A. F., Jr.  
Barsis, A. P.  
Benner, J. E.  
Benshoof, R. W.  
Bittner, B. J.  
Boatwright, J. T., Jr.  
Cohen, R. S.  
Cowell, P. K.  
Davis, T. L.  
Dougherty, H. T.  
Florman, E. F.  
Harlin, R. H.  
Herbstreit, J. W.  
Hyde, J. H.  
Kirby, R. C.  
Kirby, R. S.  
Koch, J. W.  
Madden, R. D.  
Maley, S. W.  
Maxwell, E. L.  
Mayer, F. N.  
Nesenbergs, M.  
Patterson, D. W.  
Picchiottino, J. B.  
Pratt, K. E.  
Richardson, R. J.  
Ringo, R. M.  
Roark, L. A.  
Salaman, R. K.  
Saum, G. H., Jr.  
Sawyer, M. J.  
Smith, E. K., Jr.  
Sparks, J. E.  
Stacey, D. S.  
Stewart, A. C.  
Stewart, C. H., II  
Swanson, R. E.  
Tary, J. J.  
Watt, A. D.  
Wicks, P.  
Wilson, A. C.  
Wilson, L. H.  
Wilson, Q. C.  
Wolfe, C. E.  
Worden, W. L.

Kansas City

Battin, J. T.  
Beck, H. D.  
Brilliant, M. B.  
Corbin, L. D.  
Files, C. O.  
Fu, Y.  
Gallagher, J. G.  
Hariharan, P. R.  
Hartwell, L. M., Jr.  
Hayre, H. S.  
Robertson, A. J. L.  
Stout, H. L.  
Verhyden, L. C.  
Vilander, N. E.  
White, D. M.  
Wilcox, J. V.

Oklahoma City

Baker, V. L., Jr.  
Baldwin, G. F.  
Baucum, E. L.  
Black, E.  
Ellis, C. R.  
Fairfield, H. R.  
Frost, R. R.  
Herrmann, F.  
Hunting, R. A.  
Huntington, C. F.  
Hutton, J. E.  
Kelley, W. J.  
Kivett, W. D.  
Kram, W. P.  
Ledbetter, R. P.  
McClure, R. C.  
Mitchell, M. E.  
Mortlock, C. E., Jr.  
Popejoy, I. J.  
Puckett, T. H.  
Ramsey, O. B., Jr.  
Richert, R. N.  
Thornton, J. W.  
Webb, J. K.  
Wood, G. J.

St. Louis

Arnoldy, F. R.  
Betten, J. R.  
Briceno, J. E.  
Deegan, W. C.

Blyth, R. A.  
Caplan, R. S.  
Cornett, J. R.  
Cox, W. B.  
Ehrlich, B. F.  
Farmer, D. E.  
Fike, J. L.  
Gerdes, G. G.  
Hand, V. A.  
Hill, L. E.  
Hines, N. M.  
Hopkinson, E. C.  
Howes, R. B., Jr.  
Hudgins, W. T., Jr.  
Nacke, C. C., Jr.  
Ragan, L. H.  
Roberts, A. H., Jr.  
Ruetz, L.  
Sarahan, B. L.  
Schafer, E. L.  
Shearer, J. H.  
Schutz, T.  
Solomon, R. C.  
Stanwood, R. K.  
Trout, R. C.

Kansas City

Battin, J. T.  
Beck, H. D.  
Brilliant, M. B.  
Corbin, L. D.  
Files, C. O.  
Fu, Y.  
Gallagher, J. G.  
Hariharan, P. R.  
Hartwell, L. M., Jr.  
Hayre, H. S.  
Robertson, A. J. L.  
Stout, H. L.  
Verhyden, L. C.  
Vilander, N. E.  
White, D. M.  
Wilcox, J. V.

Oklahoma City

Baker, V. L., Jr.  
Baldwin, G. F.  
Baucum, E. L.  
Black, E.  
Ellis, C. R.  
Fairfield, H. R.  
Frost, R. R.  
Herrmann, F.  
Hunting, R. A.  
Huntington, C. F.  
Hutton, J. E.  
Kelley, W. J.  
Kivett, W. D.  
Kram, W. P.  
Ledbetter, R. P.  
McClure, R. C.  
Mitchell, M. E.  
Mortlock, C. E., Jr.  
Popejoy, I. J.  
Puckett, T. H.  
Ramsey, O. B., Jr.  
Richert, R. N.  
Thornton, J. W.  
Webb, J. K.  
Wood, G. J.

Panhandle

Kelly, W. A.

St. Louis

Arnoldy, F. R.  
Betten, J. R.  
Briceno, J. E.  
Deegan, W. C.

Frazier, J. P.  
Gardner, B. H.  
Cavanaugh, C. J.  
Davis, R. E.  
Ford, E. W.  
Hawes, R. E., Jr.  
Heaviside, M. G.  
Hodder, W. K.  
Holt, J. D.  
Kliros, D. E.  
Lindenberg, E. C.  
Reuter, G. M.  
Rice, G. M.  
Ryan, J. E.  
Sang, W. W.  
Swartz, C. W.  
Vance, J. G.

Shreveport

Craig, W. H.  
Long, F. V.  
Mallon, J. A.  
Womack, F. L.  
Woodard, T. A.

South Plains

Carver, D. H.  
Mast, J. G.  
Newton, J. F.  
Pease, L. A.  
Steelman, J. E.

Tulsa

Hawkins, J. E.  
Jarrett, L. E.  
Labarthe, L. C.  
Lee, L. E.  
Nichols, W. R.  
Phillips, H. E.

West Central Texas

Elrod, F. A.  
Smith, J. P.

Wichita

O'Loughlin, J. B.

REGION VI

Alamogordo-Holloman

Nicholson, Taft  
Sanders, B. T., Jr.

Albuquerque

Brady, E. T.  
Gibson, G. A.  
Glenn, G. O.  
McCarthy, F. M.  
Roby, E. M.  
Stringfellow, W. M.  
Vigil, E. F.

Anchorage

De Haven, R. E.  
Dolan, W. A.  
Doucette, L. J.  
Fulton, D. A.  
Rourke, K. J.

Buenaventura

Barker, A. E.  
Bond, F. E.  
Hessler, P. P.  
Leish, J.  
Peringer, P.  
Pike, B. W.

China Lake

Creusere, M. C.

Foothill

Armstrong, R. V.

Brown, F. W.  
Capps, J. W.  
Cavanaugh, C. J.  
Davis, R. E.  
Ford, E. W.  
Hawes, R. E., Jr.  
Heaviside, M. G.  
Hodder, W. K.  
Holt, J. D.  
Kliros, D. E.  
Lindenberg, E. C.  
Reuter, G. M.  
Rice, G. M.  
Ryan, J. E.  
Sang, W. W.  
Swartz, C. W.  
Vance, J. G.

Fort Huachuca

Buscall, D. C., Jr.  
Cahoon, C. N.  
Dyer, S. M.  
Lamb, J. J.  
Lundy, W. D.  
Montasser, A. S.  
Spittle, S. E.  
Upton, F. R., Jr.

Hawaii

Booth, R. H.  
Chow, A. V.  
Edwards, N. R.  
Higa, Koken  
Houser, C. R.  
Janda, E. G.  
Quin, K. H.  
Stagner, G. H.  
Suzuki, C. K.  
Turner, H. E.  
Wax, D. W.  
Wille, E. A.

Las Vegas

Gilbert, J. D.  
Kittle, F. R.  
Snell, N. M.

Met. Los Angeles

Allen, J. H., Jr.  
Bacon, W. L.  
Balluff, R. L.  
Barcus, E. D.  
Brandt, R. D.  
Clabaugh, R. G.  
Clark, G. E.  
Cooper, F. E.  
Cunningham, G. L.  
Dannenbrink, H. A., Jr.  
Deiningner, C. F.  
De Kimpe, R. A.  
Dlugatch, I.  
Dunnigan, F. A.  
Estersohn, N.  
Euler, L. J., Jr.  
Glaze, G. O.  
Gooder, P. O.  
Hammond, J. G.  
Hite, H. F.  
Hodges, W. J.  
Honey, J. F.

Itami, F. S.  
Johnson, R. W.  
Kaczor, E.  
Karpeles, M.  
Knight, E. L.  
Lambert, J. D.  
Lawrence, N. J.  
Lee, H. E.  
Lees, A. B.  
Leonard, W. D.  
Lindsey, J. B.  
Logan, D. C.  
Marsh, S. V.  
Matsumae, Y.  
Parker, A. T.  
Merritt, F. P., Jr.  
Mickelson, J. R.  
Myers, V. V., Jr.  
Orton, J. B.  
Porrazzo, R. J.  
Sautter, P. J.  
Schochet, B. J.  
Schreiber, E. H.  
Sekiguchi, E.  
Shell, H. W.  
Star, M.  
Tschudi, D. E.  
Tudor, J. E.  
Udalov, Sergei  
Uraguchi, M.  
Woien, H. M.  
Yanagi, T. H.  
Zeitlin, S.

Montana

Erps, F. D.  
Liquin, F. B.  
Lundquist, F. E.  
March, D. N.  
Mehner, E. W.  
Weaver, D. R., Jr.

Orange County

Ambrose, J. R.  
Azzapetian, V.  
Balentine, W. M., Jr.  
Balodis, M.  
Berndsen, P. J.  
Beveridge, R. W., Jr.  
Boehmke, W. R.  
Carl, C.  
Carlson, R. L.  
Chambers, J. C.  
Childers, D. G.  
Counter, J. M.  
Crafts, C. A.  
Davies, C. L.  
Davisson, L. D.  
De Bord, M. J.  
Denison, C. A.  
Di Natale, J. A.  
Drake, C. W., Jr.  
Elder, W. C.,  
Fiege-Kollmann, H.  
Forbath, F. P.  
Fox, T. J.  
Frank, M. E.  
Frankart, W. F.  
Gardner, F. M.  
Gaude, W. G.  
Gehlke, D. A.  
Gildea, R. P.  
Glascocock, J. C.  
Goldstein, A.  
Gunning, W. F.  
Hall, J. O.  
Hammond, J. G.  
Helland, J. C.  
Henry, H. E.  
Hilliard, J. K.

Hume, G. A.  
 Hunt, E. B.  
 Huntsman, H. F.  
 Jeffrey, H. S.  
 Johnson, R. W.  
 Joseph, R. D.  
 Kerds, W. A.  
 Kett, L. G.  
 Klönizchii, J.  
 Knepper, R. C.  
 Lincoln, W. S.  
 Link, W. F.  
 Mac Millan, J. I.  
 Madsen, R. G.  
 Mallinckrodt, A. J.  
 Masek, J. R.  
 Mayeda, T.  
 McFarlane, M. D.  
 Melvin, W. J.  
 Morton, W. B., Jr.  
 Motley, D. M.  
 Mushin, R. S.  
 Nemzer, S. R.  
 Nicholson, W. Q.  
 Overmier, C. S.  
 Parkhill, T. R.  
 Parkinson, R. W.  
 Pilling, L. H.  
 Pope, W. S.  
 Pyes, N. R.  
 Renshaw, K. H.  
 Rheingans, E. A.  
 Roiz, E. F.  
 Ross, R. R.  
 Savisaar, A.  
 Schultz, B. G.  
 Smith, G. Z.  
 Smith, N. J.  
 Stanton, G. R.  
 Thompson, L. E.  
 Tyrrell, R. G.  
 Verano, F.  
 Vitols, V. A.  
 Ward, J. A.  
 Wilhite, D. B.

Phoenix  
 Attwood, S. W.  
 Bailey, D. C.  
 Birmingham, D. J.  
 Boothe, A. M.  
 Echols, R. A.  
 Edwards, M. J.  
 Elsner, R. W.  
 Eubank, A. H. R.  
 Flood, B. H.  
 Goodman, R. G.  
 Goss, G. J.  
 Ham, N. C.  
 Hickman, J. E.  
 Hidy, J. W.  
 King, C. G., Jr.  
 Krasin, Elvin  
 Lash, R. R.  
 Moore, W. C.  
 Norde, Leslie  
 Sanneman, R. W.  
 Sippel, J. A.  
 Tarico, F.  
 Toberman, A. J.  
 Veir, R. E.  
 Willibald, G. E.

Portland  
 Allen, W. M.  
 Balint, J. E.  
 Bernhardt, D. E.  
 Gowing, D.

Graham, E. H.  
 Lewis, J. M.  
 Lund, C. W.  
 Marihart, D. J.  
 Moltzau, R. H., Jr.  
 Onaka, W. T.  
 Palmer, R. S.  
 Talvola, Michael.  
 Wallace, R. W.  
 Yuen, Joe-Nang

Richland  
 Fletcher, J. H.

Sacramento  
 Ashby, F. B.  
 Bairos, C. A.  
 Davis, W. L.  
 Fegan, A. A.  
 Feller, A. S., Jr.  
 Fuller, G. R.  
 Hoeflich, A. F.  
 Johannessen, K. M.  
 Mahan, R. E.  
 Onnigian, P. K.  
 Shera, P. C.  
 Taylor, B. E.  
 Thomas, J. W.

San Diego  
 Abbey, Kirk  
 Allen, C. R.  
 Arcidiacono, A.  
 Bloom, M. M.  
 Chaney, C. F.  
 Crispell, H. L.  
 Eddy, M. V.  
 Erickson, F. R.  
 Gottwald, C. H.  
 Hamann, O. F.  
 Hamerman, L.  
 Hesse, J. F.  
 Holcomb, D. E.  
 Honer, R. E.  
 Kershaw, J. E.  
 Lee, J. E.  
 Magnussen, H. T., Jr.  
 Nelson, C. A.  
 Parker, A. B.  
 Potterf, G. R.  
 Schwieger, C. W.  
 Spilmer, B. H.  
 Tamura, Y.  
 Tibbals, Lowman  
 Trolese, L. G.  
 Webb, B. P.  
 Wicks, S. A.  
 Wolff, H. G.

San Fernando Valley  
 Abernathy, O. R.  
 Acker, W. W.  
 Alpine, P. E.  
 Apa, F. E.  
 Baker, C. R.  
 Bame, J. D.  
 Benbrooks, L. A.  
 Bircsak, G. S.  
 Blancher, D. W.  
 Blasjo, M. H.  
 Bowers, R. J.  
 Bowman, R. C.  
 Boyd, G. M.  
 Breeding, C. S.  
 Broderick, D. L.  
 Brooks, C. N.  
 Burd, E. M.  
 Burdett, D. F.

Burns, R. F.  
 Caler, J. W.  
 Carter, N. H.  
 Chernof, J., Jr.  
 Chesebro, E. L.  
 Cling, W. J., Jr.  
 Cochran, E. D.  
 Cronkwright, R. E.  
 Daniel, D. B.  
 Dell, B. H.  
 Einsohn, I. A.  
 Ellis, W. L.  
 Frendo, W. J.  
 George, R. D.  
 Glick, A. S.  
 Grossman, S. J.  
 Held, Harold  
 Hitterdal, A. B.  
 Hitzenhammer, A. D.  
 Hoyt, E. M.  
 King, J. E.  
 Krausz, R.  
 Leach, H. L.  
 Lehan, F. W.  
 Locus, S. S.  
 Mallach, L. W.  
 Marsh, K. W.  
 Mavity, W. C.  
 McCormick, J. B., Jr.  
 Meyer, H. F.  
 Morrow, H. W.  
 Mumaw, J. P.  
 Nater, R. A.  
 Nelms, R.  
 Norby, H. A.  
 Ordahl, C. A.  
 Paulson, E. T.  
 Pro, S.  
 Radmacher, D. S.  
 Salmi, T. W.  
 Silva, L. M.  
 Solat, N.  
 Stockhoff, K. C. H.  
 Tate, R. L.  
 Thompson, K. A.  
 Van Deloo, P. A.  
 Wanselow, R. D.  
 Watson, J. M.  
 Weiss, W. J., Jr.  
 Wells, R. W.  
 Woodbury, H. L.  
 Worth, F. L.  
 Yocom, J. D.  
 Young, D. W., Jr.

San Francisco  
 Abramson, N. M.  
 Addleman, L. A.  
 Amara, R. C.  
 Anmuth, Marvin,  
 Arens, V. R.  
 Arnold, D. T.  
 Ashford, D. A.  
 Babcock, D. F.  
 Baer, M. H.  
 Baker, W. L.  
 Ballard, E. J.  
 Ballerd, J. W.  
 Banshak, W. G.  
 Barnard, G. A., III  
 Bartelme, J. P.  
 Beatie, R. N.  
 Behrends, P. O.  
 Benson, S.  
 Bergman, A. A.  
 Best, G. F.  
 Bhohe, J. V.  
 Bleakly, C. J.

Bodo, J.  
 Bolander, P. E.  
 Bothun, R. B.  
 Boyd, F. L.  
 Boyens, R. D.  
 Brey Mayer, K. E.  
 Brinton, R. L.  
 Bullock, J. B.  
 Buss, R. R. "  
 Calfee, R. W.  
 Campbell, D. C.  
 Campbell, R. W.  
 Card, D. R.  
 Carll, R. C.  
 Carnahan, C. W.  
 Carter, R. W., Jr.  
 Chan, K. K.  
 Chiang, F. C.  
 Christie, T. A., Jr.  
 Cole, W. E.  
 Coleman, B. H.  
 Coombs, W. C.  
 Corn, J. W.  
 Cover, T. M.  
 Culbertson, A. F.  
 Damon, N. E.  
 Davies, R. S.  
 Dawson, C. H.  
 Day, J. B.  
 Dedinas, D. A.  
 Denhardt, R. E.  
 Dickerson, H. V.  
 Doak, R. S.  
 Dodge, G. P.  
 Dole, A. R.  
 Downie, W. A.  
 Earl, W. S.  
 Easterday, R. B.  
 Egan, R. D.  
 Ekstrand, P. A.  
 Eldredge, E. E.  
 Erickson, L. G.  
 Estes, S. E.  
 Fink, E. A.  
 Fish, R. H.  
 Fisher, R. L.  
 Fishman, Max  
 Fitch, J. G.  
 Fletcher, M. W.  
 Frankel, S.  
 Franklin, L. R.  
 Fuller, A. A., Jr.  
 Fulton, F. F., Jr.  
 Garzoli, F. F.  
 Gemperle, M.  
 Gibson, J. G.  
 Gill, W. J.  
 Given, I.  
 Gluchoski, W. J.  
 Goddard, E. G.  
 Gould, R. G.  
 Graham, R. E.  
 Granger, J. V. N.  
 Grinnell, G. H.  
 Groberg, L. R.  
 Grushkin, M.  
 Hackett, C. M., Jr.  
 Hagn, G. H.  
 Hall, J. M.  
 Harding, G. A.  
 Harding, L. P.  
 Harris, B. J.  
 Harris, H. F.  
 Hartbaum, H. K.  
 Hausman, A. H.  
 Hayes, J. C.  
 Heim, K. E.  
 Heine, R. A.

Hennies, S. R.  
 Herold, C. D.  
 Hesselgrave, D. H.  
 Ho, Y. H. E.  
 Hoisington, D. B.  
 Holloman, C. J.  
 Howland, R. S.  
 Huber, E. A.  
 Hubinger, A. A.  
 Huebler, R. W.  
 Huggins, R. A.  
 Hulett, H. R.  
 Hunt, S. P.  
 Hunter, L. W.  
 Hyver, G. A.  
 Isberg, R. A.  
 Iverson, D. J.  
 Jackson, R. B.  
 Jenkins, C. D., Jr.  
 Jenkins, J.  
 Johannesen, O. M.  
 Johanson, P. A.  
 Johnson, L. B.  
 Jones, J. H.  
 Kailath, T.  
 Kanbergs, J. V.  
 Kang, K. J.  
 Kazanjian, H. A.  
 Kebby, M. H.  
 Kiessling, R. C.  
 Klamm, C. F., Jr.  
 Kovalevski, N. N.  
 Kraemer, B. J.  
 Kramer, A. J.  
 Kruger, F. W.  
 Kunzelman, R. C.  
 Laine, R. U.  
 Landis, Don.  
 Lawhorn, R. D.  
 Lawrence, D. E.  
 Lawrence, Otho  
 Lee, R. J.  
 Lee, T. H.  
 Lender, A.  
 Leong, S. K.  
 Leurgans, R. W.  
 Light, R. H.  
 Linden, D. A.  
 Linders, T. E.  
 Littler, D.  
 Locke, R. V., Jr.  
 Lohr, D.  
 Lopes, R. R.  
 Luby, D. D.  
 Mac Leod, G. A.  
 Macovski, Albert  
 Mah, J. C. J.  
 Malone, J. D.  
 Mannas, R. G.  
 Marquez, J.  
 Martin, W. L.  
 Maximoff, B. S.  
 Mayne, T. F.  
 McFadden, R. R.  
 McVae, D. K.  
 Melvin, D. K.  
 Mendoza, A. A.  
 Merle, C. W.  
 Meyer, J. H.  
 Miller, E. M.  
 Miller, J. F.  
 Moore, E. J.  
 Moore, L.  
 Morcott, T.  
 Morgan, R. B.  
 Morris, F. W., Jr.  
 Murray, J. B.  
 Murrell, L. A.

Nawrocki, J. T.  
 Newnum, B. O.  
 Nielson, D. L.  
 Noller, W. E.  
 Nomi, S. I.  
 Noon, J. R.  
 Nye, W. H.  
 Oestreicher, D. L.  
 Oliver, B. M.  
 Oshima, K.  
 Pappenwus, E. W.  
 Parker, J. F.  
 Parks, W. J.  
 Patterson, K. P.  
 Pearson, D. R.  
 Pera, J. E.  
 Peterson, A. M.  
 Peterson, D. G.  
 Phillips, C. E.  
 Phillips, W. J.  
 Pixton, J. R.  
 Pratt, D. S.  
 Presley, S. P.  
 Prince, P. L.  
 Reiche, L. P.  
 Riccardi, J. A.  
 Rorden, L. H.  
 Rose, P. L.  
 Ross, J. S.  
 Ruggieri, F. A., Jr.  
 Runge, W. A.  
 Sagawa, S. S.  
 Sakrison, D. J.  
 Schoderbek, J. J.  
 Schuchman, L.  
 Scudder, H. J., III  
 Seeger, C. L.  
 Segerstrom, R. J.  
 Seidman, L. P.  
 Shaft, P. D.  
 Shergalis, L. D.  
 Sherwood, G. C.  
 Shumway, J. L.  
 Sievert, G. F.  
 Sifford, B. M.  
 Sigari, A.  
 Silverman, A. N.  
 Silverman, K.  
 Smith, R. T.  
 Smyrnos, G. J.  
 Spilker, J. J., Jr.  
 Stack, B. R.  
 Stanley, D. O.  
 Stephenson, J. M.  
 Stewart, J. A.  
 Stromberg, R. T.  
 Stuehler, J. E.  
 Taifel, R. S.  
 Taras, S. M.  
 Thompson, O. E.  
 Tjia, K. H.  
 Trotter, J. D.  
 Tucker, J. R.  
 Turin, G. L.  
 Turner, H. A.  
 Vallarino, A. R.  
 Villard, O. G., Jr.  
 Vincent, W. R.  
 Vinding, J. P.  
 Voss, J. A.  
 Wambsganss, B. A.  
 Waterman, A. T., Jr.  
 Watson, H. M.  
 Watt, R. M.  
 Weinstein, S. B.  
 Welsh, L. E.  
 Murray, J. B.  
 White, R. F.

Whiteley, R. B.  
 Whittelsey, S. G., Jr.  
 Wiedemann, W. C.  
 Williams, R. D.  
 Williams, T. G.  
 Wilson, L. H.  
 Witherspoon, J. T.  
 Wood, F. B.  
 Wortman, T. J.  
 Yee, P.  
 Zipf, A. R.  
 Zuckswert, S. E.

San Gabriel Valley  
 Davis, D. C.  
 Davis, F. W.  
 Drubin, M.  
 Easterling, M. F.  
 Erway, D. D.  
 Eyraud, J. P.  
 Fox, E. M.  
 Fugate, K. O.  
 Gregory, W. W., Jr.  
 Harriman, T. J.  
 Helms, J. F.  
 Kato, C. H.  
 Knight, J. B., Jr.  
 Koerner, M. A.  
 Lehan, F. W.  
 Lindsey, W. C.  
 Ludekens, L. E.  
 Macklin, T. G.  
 Martin, B. D.  
 Mathison, R. P.  
 Parker, G. L.  
 Saelid, J.  
 Sanders, R. W.  
 Smith, A. J.  
 Wilts, C. H.

Santa Barbara  
 Boyle, S. R.  
 Harger, W. W.  
 Hedges, C. P.  
 Howard, L. W.  
 Kelley, G. J.  
 Melling, W. P.  
 Mitchell, P. A.  
 Savage, R. P.  
 Scott, R. C.  
 Smith, C. B., Jr.  
 Woerner, J. J.  
 York, N. B.

Santa Monica Bay  
 Atkinson, J. M.  
 Baran, Paul  
 Beagles, R.  
 Beckman, J. A.  
 Bedrosian, E.  
 Bekey, Ivan  
 Bennett, W. E.  
 Berman, B.  
 Bernstein, R.  
 Booton, R. C.  
 Brecht, A. A.  
 Burdick, D. D.  
 Cannon, H. L.  
 Carlyle, J. W.  
 Carpenter, D. D.  
 Chamorro, R. H.  
 Choate, R. L.  
 Davis, J. I.  
 Erb, G. E.  
 Featherstone, J. D.  
 Gapasin, F. G.  
 Gold, A. R.  
 Goshay, D. K.

Gould, E. W.  
 Green, G. M.  
 Gutcheon, W. Y.  
 Hannum, A. J.  
 Hume, P. D.  
 Jeffs, C. R., Jr.  
 Jensen, R. D.  
 Johnson, J. S.  
 Karp, S.  
 King, Edward  
 Krafft, W. R.  
 Langtry, M. C.  
 Laufe, N. B.  
 Lehman, W.  
 Le May, J. L.  
 Lewi, J.  
 Lindholm, C. R.  
 Lutz, S. G.  
 Makino, R. H.  
 Miller, B. F.  
 Miller, K. M.  
 Miller, T.  
 Moulton, E. W.  
 Nakatsu, G. Y.  
 Njaka, O. P.  
 Nordstrom, G. J.  
 Norwood, L. R.  
 Nutt, J. H.  
 Parisky, R. N.  
 Phillips, H. D.  
 Pierce, C. C.  
 Plew, H. E., Jr.  
 Price, H. J.  
 Rahlf, J. P.  
 Raymond, J. L.  
 Rousculp, P. J.  
 St. John, E. E.  
 Schultz, H. R.  
 Sensiper, S.  
 Shoulders, H. D.  
 Shuler, M. H.  
 Sorge, B. W.  
 Spellmire, R. J.  
 Stamey, A. W., Jr.  
 Steidley, J. W.  
 Stephenson, R. G.  
 Stern, K.  
 Vodopia, S. N.  
 Walsh, J. J.  
 Weiner, J. R.  
 Zobelein, E. C.

Seattle  
 Andreika, J. T.  
 Ballata, R. J.  
 Barnhart, D. L.  
 Battis, L. R.  
 Belenski, J. D.  
 Bergen, L. A.  
 Carter, J. G.  
 Chin, Q.  
 Creason, A. S.  
 Currie, W. E.  
 Dalby, T. G.  
 Eastman, J. S.  
 Eisenbach, M. E.  
 Ellinthorpe, A. W.  
 Erlandsen, E. K.  
 Fantin, P. J.  
 Gardner, R. B.  
 Graybeal, J.  
 Gladding, E. B.  
 Iversen, A. J.  
 Janes, H. P., Jr.  
 Jessup, D. G.  
 Kuzeba, Charles  
 Lambrecht, J. L.  
 London, C. A.

Lytle, D. W.  
Matava, S. J.  
Maynard, J. E.  
Meerdink, K. J.  
Miller, G. E.  
Norstrand, R. B.  
O'Hara, R. N.  
O'Leary, L. A.  
Pollock, R. D.  
Prue, W. W., Jr.  
Reynolds, T. G., Jr.  
Roome, G.  
Scidmore, D. L.  
Shomer, J. E.  
Strohecker, J. P.  
Swisher, B. F.  
Vincent, L. R.  
Warren, J. F., Jr.  
Weiss, S. P.  
Wilcox, J. K.  
Wilcox, R. C.  
Yamauchi, T. T.

South Bay Harbor

Bargellini, P. L.  
Becker, M. G.  
Boscia, A. F.  
Brinkman, K. L.  
Brubaker, R. H.  
Buterbaugh, J. N.  
Carson, V. S.  
Cummins, J. W.  
Coling, F. L.  
Collins, M. H.  
Cook, W. E.  
Costanza, S. T.  
Cummings, F. T.  
Daniel, R. E.  
Dennis, Joseph  
Develet, J. A., Jr.  
Dobbins, W. E.  
Dye, R. R.  
Eastman, R. S.  
Egger, A.  
Evans, G. L.  
Field, F. W.  
French, D. W.  
Freymodsson, J. B.  
Frith, L. O.  
Glascock, R. D.  
Gottfried, R. E.  
Hanson, D. L.  
Harris, A. R.  
Hendriks, G.  
Homer, G. E.  
Hood, H. L.  
Johnson, W. A.  
Jones, H. J.  
Judge, W. J.  
Justice, L. E.  
Kern, W. W.  
Kilchenman  
Kirk, R. L.  
Kivett, J. A.  
Ladd, A. W.  
Lemmer, J. E.  
Lytle, A. C., Jr.  
Mac Kenzie, R. G.  
McKee, A. J.  
Newbold, R. F.  
O'Brien, W. C.  
Page, H. F.  
Pfund, E. T., Jr.  
Schauwecker, H. E.  
Schepak, G.  
Scholtz, R. A.  
Shibuya, Y.  
Souter, R. E.  
Stephens, C. W.

Sternke, E. C.  
Stevens, F. Jr.  
Stockett, T. E.  
Stone, D. L.  
Sullivan, D. P.  
Swarts, L. E., Jr.  
Tasker, R. B.  
Thomas, C. M.  
Thomas, D. W.  
Thorensen, R.  
Tong, K. C.  
Tueling, B. A.  
Welton, O. K.  
Wray, W. C.  
Wuerstl, J. D.  
Young, W. D.

Spokane

Brychell, J. J.  
Davies, A. C.  
Graham, F. A.

Tucson

Blakely, C. E.  
Clark, H. L.  
Conant, B. K.  
Dibos, R. A.  
Frizelle, H. D.  
Gonzales, A. E.  
Hansell, G. E.  
Harris, L. M.  
Hayes, E. A.  
Kachnic, J. E.  
Klein, W. P.  
Larson, R. D.  
Michalk, E. R.  
Oliver, J. K., Jr.  
Reed, J. W.  
Richards, D. W.  
Schmidt, E. R.  
Shirley, R. B.  
Trevor, Bertram  
Williams, H. C.  
Winkler, M. R.

Utah

Aziz, H.  
Clifton, F. M.  
Rea, C. M.  
Rudd, F. S.  
Talpis, N. A.  
Willhard, W. J.  
Willits, V. L.

REGION VII

Bay of Quinte

Burkett, K. V.  
Gilliland, C. D.  
Greenway, A. J.  
Hooker, C. E.  
Patriarche, M. V.  
Stocks, D. G.  
Waller, M. J.

Hamilton

Fines, W. W.  
Humbert, V. J.  
Lyons, K. C.  
Martin, R. H.  
Skillen, R. P.  
Webb, H. H.

Kitchener-Waterloo

Burnett, R. C.  
Edwards, W. C.  
Leeson, F. D.  
McGee, W. F.  
Rife, G. A.

Rowell, R. E.

Montreal

Ahooja, C. R.  
Baby, J.  
Boisvert, C.  
Bousfield, J. A. T.  
Brake, E. R.  
Buck, L. G.  
Cameron, B. G.  
Colberg, G. H.  
Davies, K. P.  
Deas, W.  
Evans, P. R. N.  
Farmer, E. W.  
Fay, B. S.  
Fisher, G. T.  
Fisher, S. T.  
Glasheen, P. V.  
Gorfinkel, G. G.  
Haack, R. G.  
Hamilton, H. A.  
Hay, R. M.  
Hemming, G.  
Kingan, A. J.  
Lamotte, G. H. L.  
Lappi, D. M.  
Lee, D. F.  
Lewis, J. E.  
MacKay, C. J. E.  
Marceau, J. P.  
Matlashewski, E. W.  
McKeown, D. L.  
McPhee, A. J.  
Methot, F. R.  
Middleton, D. G. L.  
Migneault, G. B.  
Mloduchowski, R. L.  
Nachfolger, N.  
Nattress, I. A.  
Nickerson, A. D.  
Nowlan, W. J.  
Pfister, P.  
Pinnell, S. E. A.  
Rawlins, W. A.  
Ridins, V.  
Roe, D. P.  
Schlaak, R. C.  
Sharkey, W. J.  
Sherman, B. N.  
Smith, F. A.  
Stocker, R. M.  
Tiberghien, C. M. J., Jr.  
Tyrrell, B. W.  
Wilson, J. L.  
Wisenden, G. A.

Niagara International

Bell, H. H., Jr.  
Leonard, D. J.  
Manley, R. W.  
Rupp, R. B.  
Waud, E. C.

Northern Alberta

Berbekar, S.  
Buzak, E. J.  
Caspar, R. B.  
Ducey, R. J.  
Fujaros, R. G.  
Greschuk, L. F.  
Kamon, T.  
Muilwyk, C. A.  
Peterson, D. A.  
Rigakis, S. T.

Ottawa

Ashenden, D. B.  
Asper, R. L.

Aylesworth A. B.  
Blacker, H. L.  
Branner, R. W. S.  
Carroll, D. V.  
Chrome, J. T.  
Cole, W. A.  
Davies, N. G.  
Duston, R. F.  
Fraser, D.  
Glinski, G.  
Green, E. W.  
Grzebien, B.  
Hatton, W. L.  
Halsey, F. T.  
Henderson, D. J.  
Homes, W. H.  
Jarvis, J. A.  
Jewell, L.  
Jull, G. W.  
Kelsey, E. S.  
King, V. C.  
Levy, M. M.  
MacKay, J. G.  
Markey, A. A. D.  
Marshall, C. E.  
McLeish, C. W.  
Miedzinski, J.  
Petersen, G. W. E.  
Robinson, P. A.  
Sheppard, R. D. B.  
Stephen, G. D.  
Tanner, R. H.  
Thompson, F. S. B.  
Timmers, A. G. W.  
Von Baeyer, H. J.  
Willows, D. J.  
Wilson, J. E.  
Wilson, W. J.

Quebec

Boulet, L.  
Czobor, S. E.  
Terreault, R. C.  
Zement, K. H.

Regina

Gerrity, G. W.  
Enns, E.  
Lee, S. F.  
Weese, D. E.

Southern Alberta

Davis, A. P.  
Gilbertson, B. R.  
Goddard, W. R.  
Harrison, N. E.  
Traxler, H. A.  
Whittle, T. D.

Toronto

Allen, G. Y. R.  
Anderson, K. G.  
Atwood, J. W.  
Barclay, A. P. H.  
Bariteau, P.  
Beardwood, W. T. A.  
Breckenridge, A. G.  
Bridgland, C. J.  
Bull, R. A.  
Byers, H. Q.  
Cline, J. C.  
Czubin, E. G.  
Dargevics, A. J.  
Detcher, A. W.  
Doeringer, C. E.  
Easton, K. J.  
Frankovich, V.  
Hackbusch, R. A.  
Hebner, R. B.

Irwin, R. L.  
Lewis, R. G.  
Mark, K. L.  
Mills, J. G.  
Nevitt, H. J. B.  
Noble, D. E.  
Piechota, A.  
Purdy, T. W.  
Richter, Edmund  
Sims, J. L.  
Sipila, O. A.  
Soanes, S. V.  
Stoaddart, T. W. H.  
Storoschuk, G. J.  
Studney, D. R.  
Tennent, B.  
Thompson, D. F.  
Timbers, T. J.  
Topping, F. V.  
Webster, C. G.  
Wong, S.  
Yachimec, P.

Vancouver

Aitken, R.  
Bealle, D. F.  
Beddoes, M. P.  
Broughton, W. K.  
Collins, W. F.  
Cummings, H. A.  
Hanson, B. E.  
Harrow, A. E.  
Hoyle, H. A.  
Hunter, P. J. A.  
Lynch, T. G.  
McCarter, L. W.  
Newton, W. K.  
Russell, R. T.  
Trenholm, J. R.  
Valde, G. E.  
White, J. E. R.

Victoria

Oxendale, J. L.

Winnipeg

Blicq, R. S.  
Enns, E.  
Hare, E. J.  
Hopper, C. J.  
Horner, S. G. L.  
Johnston, W. A. R.  
Murphy, B. F.  
Shaver, H. B.  
Uhryn, J. H.

REGION VIII

Benelux

Alma, G. H. P.  
Bartholome, P. J.  
Blake, K. W.  
Bloemsma, J.  
Bouchier, P.  
Bourguignon-Famaey, G.  
Boxma, Y.  
Chantrain, Xavier  
Debois, P. G.  
Cortez De Lobao, F. J.  
Cutler, P. H.  
Delahais, M. L.  
Erkelens, E.  
Gobel, Willem  
Graaff, Bart  
Greefkes, J. A.  
Grossi, J. J. M.  
Gustin, H. J.  
Hanotte, P. E.  
Hansen, V. G.

Hecq, Y. V.  
Hoffmann, J. A. J. L.  
Ince, N.  
Langie, P. J.  
Liekens, A. F.  
Lulofs, W.  
Nijenhuis, W.  
Op Den Orth, J. M.  
Piket, J.  
Schouten, J. F.  
Van Duuren, H. C. A.  
Van Dyl, Barend  
Vanhove, G. J. A. J. M.  
Vermeulen, J. C.

Egypt

Hassan, B. H.  
Kamal, A. A.

France

Babin, F. J.  
Berline, S. D.  
Bodez, P. M.  
Boje, D. Q.  
Brady, R. F.  
Cypser, R. J.  
Deschamps, J. D.  
Deschamps, R. A.  
Ferrier, P. A.  
Fromageot, A. P. A.  
Girerd, J. L. M.  
Grivet, P. A.  
Hoffman, R. B.  
Israel, R.  
Klein, G. J. P.  
Labin, E.  
Laederich, G.  
Landesman, S. O.  
Lebel, J. D.  
Lochard, J. C.  
Mandel, P.  
Mayer, F. P.  
Pelpel, J. C.  
Prache, P. M.  
Schurr, P. M. E.  
Sulzer, H. G.  
Voge, J. P.

Geneva

Ahmed, A. A.  
Braun, A. F.  
Bruland, R. V.  
Demieville, H.  
Diggelmann, H.  
Gerber, W.  
Gloor, B.  
Guanella, G.  
Krasnosselski, N. I.  
Meisling, T. H.  
Schaap, A. O.  
Schoberlein, W.  
Schuler, R. L.  
Sipkes, G. G.  
Smith, R.  
Snedkerud, O. T.  
Walder, Emil  
Weber, H. E.  
Weber, P. H.

Israel

Elazari, Hanoch  
Iloni, A.  
Kimche, Solly  
Riesel, Z. H.  
Samuel, S.

Italy

Arienza, M. C.  
Bartocci, A. S.

Bigi, F.  
Canepa, M.  
Carassa, Francesco  
Casella, G.  
Castellani, M. F.  
Cenacchi, C. M. A.  
Derossi, A. D.  
De Vito, G. R.  
Dobner, L.  
Edson, C. R.  
Egidi, C.  
Fagnoni, E.  
Floriani, V.  
Foddiss, G.  
Fubini, S. B.  
Gommellini, G.  
Koch, R.  
Kouris, S.  
Leardini, T.  
Lenti, P. D.  
Maestrini, R.  
Manzo, S.  
Mario, M.  
Mele, V.  
Mocci, I. L.  
Nascia, M.  
Ott, F. J.  
Palandri, G. L.  
Parenti, V.  
Peroni, Bruno  
Rimini, A.  
Rocchi, M. P.  
Schiaffino, P.  
Tiberio, U.  
Turco, A.  
Vergani, A.  
Zanelli, C.

Norway

Hiis, P. T.  
Hvinden-Haug, L.  
Kulvin, E.  
Mack, E.  
Meisingset, K. R.

United Kingdom

Allen, T. P.  
Anderson, E. W.  
Arnar, G.  
Aust, A. T.  
Barlow, H. M.  
Boff, A. F.  
Bowden, B. V.  
Brownlee, G. H.  
Cuffe, R. C.  
Duell, A. N.  
Espley, D. C.  
Forte, S. S.  
Gordon, D.  
Gorrie, J. P. R.  
Grove, R. E.  
Harris, K. E.  
Harris, S. M.  
Harrison, K. W.  
Haylock, G. V.  
Hills, W. J.  
Kinross, R. I.  
Laverick, E.  
Higuera-Mota, H. R.  
Layzell, L. M.  
Marzolini, Remo, G. A.  
Mascall, A. L.  
McCall, D. R.  
McAuliffe, G. K.  
Montgomery, A. W.  
O'Hanlon, D. M. V.  
Oranc, H. S.  
Page, N. W.  
Parsons, A. N.  
Pearson, M. G.

Mexico

Cueva, G., Jr.  
De Mello, W.  
Diego, J. M.  
Guaragna, L. E.  
Rodriguez, E. T.  
Sanchez, A.

Rio de Janeiro

Farmer, F. H.  
Grant, F. W.  
Kresch, R.  
Lisboa, M. H. De A.  
Martins, R. B.  
Ribeiro, M. P.

West Germany

Askins, S. M.  
Bank, H. H.  
Gundlach, F. W.  
Koch, E. L.  
Rohde, L.  
Ruhrmann, A. A.  
Saal, R. S.  
Schietzel, R. J.  
Scholz, M. P. E.  
Schuessler, W.  
Unger, H. G.

REGION IX

Buenos Aires

Capra, E. L.  
Flint-Halpern, Manuel  
Glabach, N.  
Magnoni, W. A.  
Raffetto, F. E.  
Ricci, A. J.

Chile

Feick, W.

Colombia

Anibal, G. L.  
Bonny, M. S.  
De M. Camara, C. A.  
Carcia, J. J. S.  
Castro, C. A. A.  
Gabriunas, K. B.  
Garbrecht, F. S.  
Gomez, L.  
Gustafsson, E. B.  
Hernandez, J. D., G.  
Lopez, A.  
Nassar, J. E.  
Obregon, E.  
Ospina, A.  
Pick, L. M.  
Rivera-Cardona, B. A.  
Salguero, P.  
Thomson, J. D.  
Villegas, A. A.

Tokyo  
 Aoi, S.  
 Diels, J. C.  
 Fukato, M.  
 Gordon, A. D.  
 Harashima, O.  
 Hasegawa, A.  
 Hasegawa, T.  
 Hayashi, I.  
 Hayasi, S.  
 Hirai, M.  
 Ide, M.  
 Ieiri, S.  
 Iida, M.  
 Imai, H.  
 Inose, H.  
 Ito, K.  
 Kasahara, M.  
 Kimura, R.  
 Kirisawa, K.  
 Kitsuregawa, T.  
 Kohno, S.  
 Koichibara, T.  
 Konomi, M.  
 Koomura, S.  
 Kumagai, K.  
 Kunihiro, T.  
 Kurahashi, Y.  
 Kuroda, K.  
 Matsumoto, A.  
 Matsuyuki, T.  
 Minamoto, S.  
 Minozuma, F.  
 Miyagi, Masahisa  
 Miyakawa, H.  
 Miyakoshi, K.  
 Mizuma, Masaichiro  
 Morishima, N.  
 Morita, K.  
 Morita, Kazuyoshi  
 Morita, M.  
 Niwa, Y.  
 Nojima, S.  
 Ochai, N.  
 Ogasawara, N.  
 Ogawa, T.  
 Ohwaku, S.  
 Okada, S.  
 Osatake, T.  
 Sakamoto, T.  
 Sasaki, S.  
 Sasaki, T.  
 Sawada, R.  
 Sawada, T.  
 Sawamura, T.  
 Seki, Hideo  
 Sekimoto, T.  
 Shibata, K.  
 Shiratori, Akio  
 Takaba, Sadao  
 Takagi, Mikio  
 Tanaka, Y.  
 Taniguchi, F.  
 Tomono, M.  
 Tsuboi, K.  
 Uchida, H.  
 Ungphakorn, B.  
 Yamano, M.  
 Yoshida, T.

FOREIGN COUNTRIES

Africa  
 Thorogood, R. R.

Arabia  
 Al-Ghunaim, A. K.

Alsharief, M. S.  
 Bunyan, S. A.  
 Rauf, A.

Australia  
 Aitchison, R. E.  
 Ellis, L. W.  
 Finney, K. L.  
 Honnor, W. W.  
 Hope, R. S.  
 Kennewell, E. M.  
 Mair, R. B.  
 Sniedze, O. A.  
 Vaux, L. J.

Austria  
 Bandat, K. F.  
 Zemanek, Heinz

Bahamas  
 Halkitis, J. A. M.  
 Hodgson, A. D.

Brazil  
 Belck, H. B.  
 Korbivcher, R.  
 Lignon, J. R.  
 Raia, R. B.  
 Schorer, H. G.  
 Tyla, A.

Czechoslovakia  
 Vackar, J. F.

Denmark  
 Christensen, O.  
 Christiansen, J. V.  
 Elnegaard, Erik  
 Frederiksen, Ronald  
 Gronlund, M. P. S.  
 Gudmansen, P. E.  
 Jensen, P. G.  
 Lund, C. O.  
 Nag, D. S.  
 Nielsen, A. K.  
 Norgaard, A. K.  
 Poulsen, S. W. I.  
 Ranfelt, V.  
 Ring, Otto  
 Svensson, Regnar  
 Toft, S. C.

East Africa  
 Lovelace, K. J.  
 Tully, Alexander

Greece  
 Kariambas, N.  
 Vergis, Minas

Guatemala  
 Whitehead, Jack

Hong Kong  
 Hsu, P. H.  
 Moore, H. Y. H.

India  
 Bhat, R. A.  
 Edwards, R. B.  
 Ganguly, S. K.  
 Mahant, M. C.  
 Mishra, S.  
 Pal, P. C.  
 Rao, K. L.  
 Shroff, T. R.  
 Sweet, C. M.

Indonesia  
 Adisusanto, R. A.  
 Amir, R.  
 Bie, T. G.  
 Buckingham, S. D.  
 Daroendio, R. M.  
 Dasuki, D.  
 Karnoto,  
 Keradjan, A.  
 Kiswojo, W.  
 Mangoensoediro, I. S.  
 Moeis, A.  
 Noerhadi, L.  
 Noorsito,  
 Purman, L.  
 Roebijantoko, E.  
 Roesharsojo, L. R. M.  
 Santoso, R.  
 Soehardjo  
 Soekarman, L.  
 Soekrisno  
 Soeratman, L.  
 Soewasono, L. P. I.  
 Sofjan  
 Sory, S.  
 Sudhono  
 Sujono, L. W.  
 Sutjipto, L.  
 Tarjudin, T.  
 Tarwi, L. U.  
 Wikanto, L.

Jamaica  
 Gauntlett, G. A. R.

Jordan  
 Shaweesh, H. M.

Lebanon  
 Kruyt, W. A.  
 Regier, F. A.  
 Rundlett, L. M.

Libya  
 Creighton, G. W.

Malaya  
 Dhillon, G. S.  
 Geasley, M.  
 Ho, L-Hon  
 Horley, A. L.  
 Li, Yhan-Lu  
 Thompson, J.G.

Mascarene Islands  
 Funston, N. H.

Morocco  
 Mellard, D.

Panama  
 Gellerman, R. F.  
 Robinson, R. A.

Peru  
 Escajadillo, G. C.

Poland  
 Ryzko, S.

South Africa  
 De Wet, S. M.  
 Lennox, C. H.  
 De Villiers, I.

South America  
 Evans, E. M.

Spain  
 Huerta, A. F.  
 Olariaga, M.

Sudan  
 Klise, K. W.  
 Tadros, A. A. I.

Sweden  
 Ahlgren, S. I.  
 Anjou, L. A.  
 Arosenius, L. T. H.  
 Aurell, C. G. P.  
 Bjork, N. A. N.  
 Elfving, A. L.  
 Elovsson, K. S.  
 Granqvist, C. E.  
 Josephson, B. A. S.  
 Karlstedt, L.  
 Kruse, O. S. N.  
 Laurent, T.  
 Lofgren, E. O.  
 Magnusson, B. G.  
 Olving, S.  
 Persson, K.  
 Persson, N. I. E.  
 Sem-Sandberg, Sverre  
 Westerhult, B.  
 Willson, G.

Syria  
 Youssef, A. O.

Thailand  
 Sakorn, S. P.

U. S. S. R.  
 Kazanski, G. P.  
 Kostanjanz, B. A.  
 Zahvatoshin, K. V.

Venezuela  
 Alamo-Segovia, J. A.  
 Arreaza, R. G.  
 Capiello-Llamoza, E.  
 Charfole, R. O.  
 Gooding-Dalrymple, C. E.  
 Guia-Monasterio, A. E.  
 Guitian, J. E.  
 Huel, E. B.  
 Long, J. L.  
 Torrealba-Morales, J.  
 Vicens, A.  
 Wenzel, G. E.

West Africa  
 Simms, T. C.

Overseas Military  
 Antonetti, J. B.  
 Batson, J. A.  
 Batten, J. C., Jr.  
 Beahr, A. W.  
 Bergman, C. W., Jr.  
 Blasberg, L. A.  
 Bolger, A. E.  
 Brock, R. E., Jr.  
 Brown, A. J.  
 Brown, D. M.  
 Burke, M. L.  
 Bylaska, B. O.  
 Coddington, D. L.  
 Cook, J. D.  
 Cummings, C. A.  
 De Beer, B. C.  
 De Haven, R. E.  
 Dickinson, A. F.

Doran, J. W.  
 Edens, J. A.  
 Engle, C. C.  
 Escriba, C. F.  
 Gelman, H.  
 Gobbel, J. T., Jr.  
 Goetsch, E. A.  
 Gordon, S. A. M.  
 Hanrahan, J. A.  
 Harding, P.  
 Harmon, L. W.  
 Higgins, R. G.  
 Ireland, W. E.  
 Kaiser, E. E.  
 Kasai, K.  
 Kawai, W. T.  
 Kerker, R.  
 Kline, H. A.  
 Kost, M.  
 Kylin, D. H.  
 Lamar, K.  
 Leavitt, H. M., Jr.  
 Leo, R. E.  
 McKenzie, J. T.  
 O'Brien, J. A.  
 Oglesby, R. G.  
 Palmer, K.  
 Pogson, C. H.  
 Polhemus, R. F.  
 Ripple, E. G.  
 Ross, W. C.  
 Roy, L. B.  
 Rynning, L. J.  
 Sakumoto, I.  
 Schwartz, A. J.  
 Schwartz, P. L.  
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