

## A Letter from the Chairman

Dear Colleague,

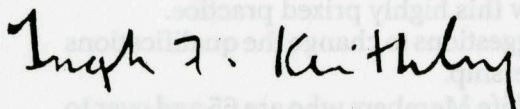
The Centennial year, 1984, is just a matter of weeks away. The Centennial Task Force with John D. Ryder and Donald S. Brereton as Chairman and Vice Chairman respectively, have been meeting for three years in the preparation. An update appears on page 2 of this letter. I call your attention to the commemorative items which are for sale, especially the IEEE Centennial Calendar. The latter could be a collectors item for it covers the highlights of a century of electrical progress in terms of famous engineers and their accomplishments. It is available now and sells for only \$8.00.

Those of you who have attended Life Member luncheons at Electro, etc., and visited the exhibits will be interested to learn that a new Centennial island exhibit (20' x 60') for IEEE was on display at Wescon/83. In addition to the Institute services, about half of the exhibit was devoted to an historical display of posters of 100 years of electrical engineering and the people who contributed so much to the betterment of mankind.

If you are in the vicinity of any of the ECI, Inc./IEEE shows, take advantage of the Life Member Hospitality suite and the entire program and luncheon. The presentations are exceptionally worthwhile and you'll enjoy the reunion with old friends and, yes, even meeting new ones with whom you have so much in common. The Centennial year has a lot to offer. Take part . . . and stay young.

I thank you for the privilege of being your chairman, for it has been a pleasure indeed.

Sincerely yours,



Joseph F. Keithley, Chairman  
1983 Life Member Fund Committee

## History Center Newsletter . . .

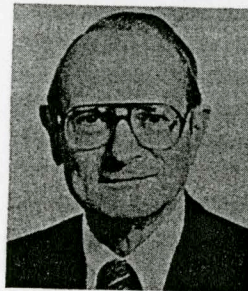
Included with your LMF Newsletter is another issue of the IEEE Center for the History of Electrical Engineering. You'll find information about the Center's plans for the IEEE Centennial year and other interesting news of the Center's present and future plans. We feel that Life Members have a special interest in the history of IEEE.

## Dr. Donald D. King is the IEEE 1984 President-Elect and Henry L. Bachman Has Been Elected Executive Vice President

Slightly over 39,000 votes were cast during the annual IEEE election. Dr. Donald D. King was chosen as IEEE President-Elect, 1984. (15,664 votes for Dr. King vs. runner up Hans Cherney - 12,375 votes.) Henry L. Bachman becomes the Executive Vice President.

Dr. King is President of Philips Laboratories Division of North American Philips Corporation, Briarcliff Manor, N.Y.

Mr. Bachman is Vice President Operations for Government Products Division, Hazeltine Corporation, Greenlawn, N.Y.



Before joining Philips Laboratories, Dr. King was Director of Electronics Research Laboratory, Aerospace Corporation, Timonium, Maryland. He received his A.B. and Ph.D. degrees from Harvard. Later he held research and teaching positions from his Alma Mater, including Asst. Professor of Applied Physics. His is a registered Professional Engineer in Maryland.

Dr. King is an IEEE Fellow and a member since 1946. He has served on the Awards, Publications, and Technical Activities Boards and many major committees. He has been involved with Individual Benefits and Services, Pensions, Fellow, Group/Society Awards, and Nominations and Appointments.



At Hazeltine Corporation, Mr. Bachman is responsible for all Government Products Division purchasing, manufacturing and quality of information electronics equipment. He received his B.E.E. and M.E.E. degrees from Polytechnic Institute of New York and attended the Harvard Business School.

Mr. Bachman is a Senior member of IEEE and was a member of the IEEE Board of Directors during 1981 - 1982.

*C*reetings of the Season

### Emmet G. Cameron's Talk at Life Member Luncheon Described S.F. Peninsula Electronics Story

Life Members (some 200 with wives) were fascinated by the principal speaker's revelations of the beginnings and growth of the San Francisco Peninsula all due to the electronics industry.

Emmet G. Cameron who retired several years ago from Varian Associates of Palo Alto, after 25 years as an officer and director, recalled many now famous names in our business who pioneered the growth of electronics. Many Life Members asked for copies of his remarks. The talk, by the way, was an edited version of one Mr. Cameron gave some 20 years ago.

There were many requests for copies. If you would like a copy, please send a stamped (40¢) self-addressed business size envelope to F.X. Timmons, 345 E. 47th St., New York, N.Y. 10017.

Mr. Cameron, a senior IEEE member and a founding director of ECI, Inc., explained the tremendous growth of the Peninsula's electronics industry—a story of human accomplishment by relatively few men of vision and courage.

"Three major events stand out," he said, "because of the unusual impact they made on the future."

First he referred to David Starr Jordan, the first president of Stanford University who through his principles and actions staffed his university with outstanding science and engineering teachers, many from Cornell (October 1, 1891).

The second great event occurred in the summer of 1912 in a little house at 913 Emerson Street in Palo Alto. Three men named de Forrest, Van Etten and Logwood watched a housefly walk across a sheet of drawing paper and listened to the fly's footsteps tremendously amplified. It was the first time anywhere that a vacuum tube had amplified a signal, and more than any other event, represented the birth of electronics.

The third event, also in Palo Alto, in the Physics Labs of Stanford, happened in July of 1937: A young physicist, Russel Varian, was classifying ideas he had been considering for development of a tube to work at centimeter wave lengths for use in what was then called radar. Suddenly he thought of a control principle—the principle of velocity modulation of electrons. This scheme resulted in the invention of the klystron tube—basic in the development of the microwave industry.

Emmet Cameron went on to fill in all the exciting details of names and places and events and how one individual or company connected with another in the rapid expansion of the world of electronics on the Peninsula and how its origins at Stanford has served mankind so well today.

The attendance at the luncheon was so great that several pictures were taken to get everyone in. Each attendee will receive a print compliments of ECI, Inc. Pictures will appear in the LMF Newsletter in March '84.

### Pittsburgh Section

#### Results of Survey Among "Older Members" as to Their Interests is Summarized Here

Thanks to Ed Harder, Chairman, Older Member Activities Subcommittee of the Life Member Fund Committee, here is a summary of the 1982 trial survey of older members conducted in the Pittsburgh Section:

The Pittsburgh research was in two parts: questions one through ten identify the older members of the Section and question 11 involves votes on 24 of the many suggestions made for improving older member activities in the IEEE.

Two-thirds are retired; one third are not. Of the 75 respondents, 17 are paying the \$12 dues offered to non-Life Members who are 62 or over.

Ages fall in three almost equal groups — 60-64, 65-69, and 70-87. While 19 of the 75 respondents had retired early, none of the 14 members aged 75 or over had retired early. Apparently, early retirement is a recent phenomena.

Half of those retired are Life Members. And half of the respondents are still involved in some kind of technical work. Some said they are "interested in participating in the IEEE". . . 32 out of 75 expressed interest in working with history committee, older member activities, giving talks, advising students. Thus, retirees, are about equally divided between "limited consulting" and "fully retired, but able to participate." A small number say they are "Unable" or don't care to participate now.

Many favored one meeting a year designated as a reunion for all Life Members with a general subject that would attract **all** members. Pittsburgh Sections has had two such reunions in 1982 and 1983 with outstanding turnouts. . . and plans to continue.

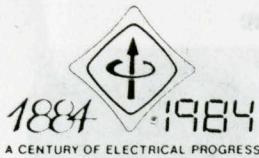
The suggestion that "Older Members nearing retirement, or Life Membership, should be informed of their status and options early" received the greatest support. Life Member qualifications need constant reminding, especially to those in their 60's.

Life Members feel rewarded by continuing on committees, conferences, and groups or societies and they make fine contributions. Some committees have the "Member Emeritus" status that continues these relationships without need for reappointments. Others may well follow this highly prized practice.

Few favor suggestions to change the qualifications for Life Membership.

Inviting non-Life Members who are 65 and over to Life Member activities is well supported. It was tried at Electro/83 on a trial basis. ECI, Inc., promises to continue this practice at all conventions in 1984.

If you would like to see the complete results, please write to Charles F. Stewart, IEEE Staff Secretary of the LMF, IEEE 345 East 47th Street, New York, N.Y. 10017. (Any section wishing to make a similar survey is free to do so, using these or similar questions. Mailing labels for members 60 years or older are available from the Section Secretaries.)



# The Life Member Fund Newsletter

Published by the Life Member Fund Committee

March 1983

## A Letter from the Chairman...

There is quite a bit of news in this issue of the Newsletter. The Centennial is less than a year away and there are two contests in connection with the IEEE Anniversary you may be interested in entering. (See page 3) Contributions to the Life Member Fund continue to rise.

Activities at MIDCON, ELECTRO, etc., have given exceptional education and enjoyment to Life Members and their wives.

There is also a sad note: Emily Sirjane, former IEEE Staff Director in charge of Corporate Services passed away early in February. The comments of Eric Herz were most appropriate. (See page 2)

I encourage as many as possible to join in the Life Member Activities at ELECTRO/83 which will be held at the Sheraton Centre with exhibits at the Coliseum in New York City. A letter from Julien Tebo has been sent to those of you who are within 300 miles of New York (giving details).

Please stay healthy and active; it is the only way to enjoy your vintage years.

Sincerely yours,

Joseph F. Keithley, Chairman  
1983 Life Member Fund Committee

### 1983 LIFE MEMBER FUND COMMITTEE

Joseph F. Keithley, Chairman  
Keithley Instruments, Inc.

28775 Aurora Road, Cleveland, OH 44139

John W. Batchelor	John C. McPherson
John G. Brainerd	Jan A. Rajchman
Richard W. Damon	Donald B. Sinclair
Donald G. Fink	Herbert R. Stewart
Truman S. Gray	Julian D. Tebo
Edwin L. Harder	Cyril J. Tunis
Harry H. Kihn	Charles F. Stewart, Jr.
	Staff Secretary

### 1982 LIFE MEMBER FUND COMMITTEE

Joseph F. Keithley, Chairman

John W. Batchelor	Donald B. Sinclair
John G. Brainerd	Herbert R. Stewart
Richard W. Damon	Julian D. Tebo
Donald G. Fink	John C. McPherson
Truman S. Gray	Thelma A. Estrin
Edwin L. Harder	Charles A. Eldon
Harry H. Kihn	Charles F. Stewart, Jr.
Jan A. Rajchman	Staff Secretary

## Over 25% of Life Members Contributed to Life Member Fund in 1982. Funds Increased Slightly.

Life Members continue to support their Institute. In 1982 contributions to the Life Member Fund amounted to \$45,230, an increase of \$3,980 over the previous year. The average contribution was \$19.41. More Life Members are contributing now—2,330 in 1982, compared to 2,221 in 1981. As of February 1, 1983, there were 9,803 IEEE Life Members.

The principal interests of Life Members last year were support for education and the documentation and writing of the history of electrical engineering and the IEEE.

Support for the Education Medal has increased from \$3,550 in 1981 to \$5,000 in 1982. The Life Member Fund Committee increased support for the Summer Graduate Program from \$1,500 to \$2,000 per year. In 1981, the Committee raised the funding of our Graduate Fellowship Program in the History of Electrical Engineering for the academic year 1982-83 from \$8,500 to \$10,000.

As you may be aware, beginning in 1976 the Life Member Fund started setting aside \$2,500 per year to develop a special fund for worthy Centennial projects. By 1984, the principal and accrued interest are expected to exceed \$35,000. Part of this money has been allotted to support the writing and publishing of a "table top" version of the history of the field of electrical engineering and the Institute edited by Jack Ryder and Don Fink.

Authorized projects supported by Life Member Funds are...

- Student Prize Paper Contest
- Education Medal
- 100th IEEE Anniversary
- Two Life Member Fund Newsletters
- Graduate Fellowship Program in the History of Electrical Technology
- Donald G. Fink Prize Paper Award
- Summer Graduate Program
- Life Member Conference Activities

*For Life Members only...*

## Life Members Record Information Requires Your Help

The form for keeping your records current, used in recent years, has been most successful. It is important that you fill out and *return this form whether or not changes are required.*

*Continued on page 2.*

### For Life Members only...

Continued from page 1.

A list of technical interest categories is also enclosed.

If you are now actively involved in business, please complete the other side of the form. It is essential for the Business Publications Audit (PBA) of SPECTRUM magazine.

#### Contributions to Life Member Fund

There is space for two other important aspects:

1. If you desire to contribute to the Life Member Fund, you can so indicate right on the front of the form. Your contribution is tax deductible. Please make your check payable to IEEE FOUNDATION, Incorporated (LMF).
2. If you are a licensed amateur radio operator, you are encouraged to give your call letters on the reverse side of the form. These call letters will be published in the 1983 Life Member Directory due late summer.

A reply envelope is enclosed for return of this valuable information so necessary for IEEE records. Your early response is always appreciated.

#### To the New Life Members and 65'ers— Some Facts for You...

The Board of Directors and the Technical Activities Board encourage reduced conference fees for Life Members. The essence of the policy (1978) which can affect your payment for attendance at various conferences reads:

Reduced fees, or waiver of fees, or fee differential for Students, for retired members, for Life Members, and for special registrants... are permitted at the discretion of the Conference Committee.

#### Setting the Record Straight...

##### ELIGIBILITY FOR LIFE MEMBERSHIP

In the October, 1982, issue of The Institute, the explanation of what constituted eligibility for Life Membership caused some confusion among older members. Here is how it works:

To become an IEEE Life Member, you must be 65 or older. Then you add the number of years of IEEE, or its predecessor societies, membership and the total must be at least 100 years.

##### About Society Membership...

An individual with not less than five years of Society membership immediately prior to attaining Life Membership may continue in the Society without fee payment. Thus the LM would receive free of charge all technical periodicals—Transactions, Journals, Magazines—offered by each Society for which the five-year requirement is satisfied.

To avoid mailing of unwanted publications, Society Life Members are asked *every year* to confirm their continued interest in requested publications in writing.

##### There are two options:

1. Limited Service. You remain a member of the Society, but receive only Newsletters, Conference announcements and other special mailings.

### Members and Staff

#### Mourn Passing of Emily Sirjane

In a memorandum to the IEEE staff, Eric Herz, Executive Director, said, "I am sorry to inform you that Emily Sirjane passed away on Sunday, February 6, 1983. She waged a brave battle against cancer but, I am informed, had minimal suffering."

A private funeral was held in Vermont. The family requested that those wishing to remember Emily in a special way may make a contribution to the American Cancer Society in her name.

"Emily Sirjane was the single most widely-known member of the IEEE staff, not only in the United States, but throughout the world," Mr. Herz said. "She devoted herself to IRE and IEEE affairs for 34 years and provided the leadership of both Institutes with discerning assistance and counsel and good, hard work. In appreciation of her service to the IEEE, the Board of Directors bestowed on her the honor of Life Fellow Emeritus in 1979.

"Those of you who have had the privilege of working with Emily will remember, I know, how readily she always responded to any request for assistance or guidance. Her wisdom, organizational skills and warm friendship have been a true source of inspiration for all who knew her. She will be profoundly missed."

On the occasion of a reception for Emily Sirjane at the time of her retirement, she was presented with a diamond-studded pin—a replica of the IEEE Fellow emblem. In making the presentation, Eric Herz said, "This is a one-of-a-kind pin for a very special person; it will never be duplicated for anyone else." She was an Honorary IEEE Fellow.

Emily's IEEE experience dates back to IRE and covered broad and varied services to the membership, boards, and committees, in addition to numerous management responsibilities.

A native of Vermont, she lived mostly in Long Island City, N.Y. She is survived by her sister, Hester.



2. Full Service. In addition to the above, you receive Magazines, Transactions and Journals that you list on the form which is sent each year in July.

Unless you return the form, the IEEE Service Center will assume you no longer want the Society publications.

As a Life Member, you automatically receive SPECTRUM (unless indicated in writing otherwise). All other publications—Conference Records, Proceedings of the IEEE, IEEE Press Books, IEEE Membership Directory, IEEE Standards Dictionary of Electrical and Electronics Terms, etc., are available at regular member rates.

## Brief Up-date on IEEE Centennial

There are seven major IEEE Centennial Institute-level events definitely planned for 1984:

1. January 31, 1984, Dallas, Texas "IEEE Founders Centennial Program", Hilton Hotel, Power Engineering Society Winter Meeting. Power systems field was the first technology given emphasis when AIEE formed—May 13, 1884.
2. February 21-22, 1984, Washington, D.C. "IEEE Centennial Conference for the Technical Press", Hyatt Regency Hotel. Under direction of special Task Force of TAB, unique new conference to provide information directly to technical press about developments in electrotechnology.
3. February 22-23, 1984, Washington, D.C. "IEEE 1984 Conference on U.S. Technology Policy", Hyatt Regency Hotel. Joint sponsors: TAB and USAB. Sixth conference in this series. Unique Centennial program.
4. May 14, 1984, Boston, Massachusetts "IEEE Centennial Convocation". Special activities at the new Westin Hotel. Involves Annual Awards, reception for 100 Learned Societies, awarding of Centennial Medals, banquet, theatrical presentation on history of technology, remarks by IEEE President and speech by Dr. David Packard, Chmn. of Board, Hewlett-Packard.
5. October 8-9, 1984, Philadelphia, Pennsylvania "IEEE Centennial Technical Convocation". Franklin Institute is setting for key technical event: "The Second Century Begins."
6. December 1, 1984, Santa Clara, California "IEEE Keys to the Future". The concluding Centennial event. Marriott Hotel. Banquet. Details to come, but plans call for involvement of younger members of IEEE.

## IEEE Centennial Art Contest

The IEEE Centennial Task Force is sponsoring an art contest, first announced in *American Artist* in February, 1983. Artists are asked to compete for three prizes: 1st - \$4,000; 2nd - \$2,000; 3rd - \$1,000. Contestants should create a painting in oil, water color, acrylic, or mixed media that commemorates the 100th anniversary of The Institute (1984). The painting should represent the great contributions to mankind by the inventive genius of electrical/electronics engineers during the past century. Subject matter is open: it can depict materials, or people, or both. It can involve electricity, or be of an inspirational nature.

If any Life Member cares to enter, please write to Francis X. Timmons, IEEE Centennial Administrator, 345 East 47th Street, New York, N.Y. and complete rules and information will be mailed. IEEE staff, their families, and employees of the Institute are not eligible.

## IEEE Spectrum Announces A Centennial Photograph Contest

Donald Christiansen, Publisher and Editor of *Spectrum Magazine*, has announced "PHOTOELECTRIC 100." It is a Centennial Photograph Contest with two opportunities to win: Part I - Historical Photographs, with a grand prize of \$1,000. Part II - Your Own Photographs, with a grand prize of \$1,000.

At press time, we do not have all the rules but this much we know: Subject matter may include electro-science, electrotechnology, computers, electronics in medicine, inventions and inventors, historical events, applications, famous electrical engineering educators, and other topics. Captions are necessary to fully describe significance of each photograph submitted. If possible, provide date and description of equipment, film and circumstances under which photo was taken.

Complete rules will be forthcoming in *Spectrum Magazine*, or write to Donald Christiansen at IEEE Headquarters. (See address above).

Employees and staff of IEEE and their families are not eligible.

## Obituary

### Frederick Terman, Father of Silicon Valley

Retired Provost of Stanford University, Frederick E. Terman, died at his campus home December 19, 1982. He was 82.

He was the son of Prof. Lewis M. Terman, the psychologist who developed the intelligence quotient test. Terman taught at Stanford for 40 years prior to his retirement in 1965.

"Much of what Stanford is today, it owes to Terman's extraordinary vision," President Donald Kennedy said. He encouraged many of his graduate students in electrical engineering to stay on the West Coast and form their own companies. Among them were Bill Hewlett and David Packard, co-founders of Hewlett-Packard. Dr. Terman encouraged William Shockley to return to Palo Alto as a Stanford Faculty member soon after Shockley co-invented the transistor at Bell Labs in 1955. At least 55 Silicon Valley firms trace their origins to Shockley Transistor, his company.

Dr. Terman graduated from Stanford with a Bachelor's degree in chemical engineering and earned his electrical engineer's degree two years later under Prof. Harris J. Ryan, America's first professor of electrical engineering.

He earned his doctorate in 1924 at MIT at which time he became a teacher there. Later he became a professor at Stanford.

He worked seven days a week and felt no need for vacations. "Why bother," he once remarked, "when your work is more fun?"

With spare parts he built his own radio sets at home. He developed courses and wrote textbooks.

In 1937 he headed the Department of Electrical Engineering.

Four years later he was elected President of the Institute of Electrical Engineers, the first person chosen who lived further away from New York City than Rochester.

### **Demonstration and Lecture on the Personal Computer to Highlight Life Member ELECTRO/83 Luncheon**

According to Julien D. Tebo, Chairman of the Life Member Program at ELECTRO/83 in New York City, April 19-21, those who attend are in for a delightful experience. Radio shack is providing representatives who will demonstrate the Personal Computer following the Life Member Luncheon.

If the demonstrations and lecture are half as well done as the presentation at MIDCON/81 in Chicago (LMF Newsletter, March 82), Life Members are in for a treat.

All professional programs take place at the Sheraton Centre. The ELECTRO Show will be at the Coliseum, Columbus Circle on all floors. Exhibits will be open from 9:00 a.m. to 6:00 p.m. each day except on Thursday when closing time is 5:00 p.m.

This year we will have the Life Member Luncheon on Wednesday, April 20th, starting at 11:30 a.m., before the technical sessions. Luncheon will be served in the Versailles Terrace on the second floor of the hotel. There will be a minimal charge of \$2.00 to help offset the cost of the lunch.

Life Members are invited to attend the IEEE Awards program and reception, Monday, April 18th, from 6:00 p.m. to 9:00 p.m. in the Imperial Ballroom. On Tuesday, April 19th, there will be a Marketing Conference starting with a continental breakfast at 8:45 a.m. with the program starting at 9:15 a.m. Theme: "The Effect of Automation on Buying and Selling." Four speakers will be involved.

A keynote luncheon will follow with Mr. Joseph G. Gavin, President of Grumman Aerospace Corporation, speaking on the effect automation has had on the Electronics Industry.

Combined registration for the conference and the luncheon is \$30.00, or \$15.00 for the conference, including the continental breakfast; and \$20.00 for the luncheon.

Photographs of the Life Members will be taken immediately following the Life Member Luncheon on Wednesday.

### **History Center News**

The second number of the *Newsletter* of the IEEE Center for the History of Electrical Engineering has just been issued. Like the first number, which appeared last October, this issue contains news of the work of the History Center, listings of other historical activities under way in the United States and abroad, notices of meetings concerned with the history of electrical engineering, notes of publications, and other items of interest.

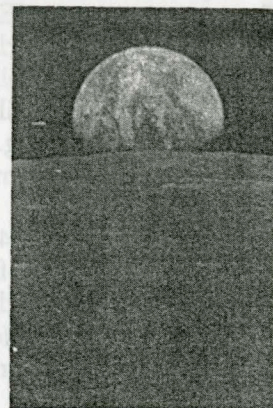
Many Life Members returned the form in the first issue to assure themselves of future copies. If you did not do so and would like to be sure of receiving this and future issues, please write to the Center at IEEE Headquarters in New York (and include your IEEE membership number to facilitate processing).

As might be imagined, the key concern of the Center in 1983 is preparing for the 100th anniversary of the founding of the Institute in 1884. Among the historical

*Continued on page 6.*

### **"Photography From Space" Illustrated Talk Highlights Life Member Breakfast at MIDCON/82**

Richard W. Underwood is the Technical Assistant to the Chief, Photographic Technology Division, NASA Johnson Space Center, Houston, Texas. During MIDCON/82 at Dallas, he talked for two hours accompanied by color slides. His comments and pictures were so fascinating to the audience of Life Members that the time flew by.



As Mr. Underwood said, "Since the beginning of history, mankind has dreamed of soaring above his planet and recording his impressions. Others dreamed of a journey to the moon, to other planets, and indeed to the stars."

Space photography as shown by Mr. Underwood, is not only strikingly beautiful, it helps unlock many secrets of our universe. He took the audience on a journey around the world so that the view simulated that of an astronaut. He showed pictures inside and outside of the most recent flight of the Space Shuttle even before they were released to the public.

He projected beautiful photographs which, he said, reveal valuable information to geoscientists in such fields as geology, oceanography, meteorology, agricultural sciences, forestry, urban and land use studies, environmental sciences, cartography, and many others.

He discussed three Skylab missions on which astronauts recorded with cameras the problems of extended living in space, complex scientific experiments, and the remarkable views of Earth from multispectral cameras, forcing the Earth to give up more of its secrets. Apollo Soyuz let us witness a joint international space venture.

His pictures consisted of magnificent shots of the first recorded "Earthrise" from lunar orbit, Neil Armstrong's first footprint on the moon and Gene Cernan's last. (In mentioning the footprints on the moon, he said that the impressions would remain forever because of lack of atmosphere, unless some other being disturbed them!) There were scenes of deep canyons, the dune buggy driving up high mountains, visits to other space crafts, and the excitement of the Apollo 13 rescue operation.

Mr. Underwood explained some of the unmanned space probes permitting us to observe close up the stark and searing surface of Mercury; a cloud covered Venus; the canyons, mountains and monumental dust storms of Mars from high above, as well as fist-sized rocks from its surface.

There was a hospitality suite for registration, relaxation and refreshments and the usual picture taking of Life Members present, but nothing topped the extraordinary pictures of outer space. To Richard W. Underwood, IEEE Life Members send a most sincere "Thank You."

Midcon/82 IEEE Life Members



*1st Row, Seated Left to Right: E.A. Hegar, J. Koski, John Hall, Russ Shoup, Bill Elkins, Durward Tucker, James*

*O. Weldon. Top Row, Left to Right: F.E. Brooks, Jr., John H. Butcher, Mark Bullock, G.M. Howard, J. Council, Alan Chapman.*



*1st Row, Seated Left to Right: Maynard Babb, E.B. Stover, Jr., Walter Hardgrave, C.F. "Chevie" Crandell, John J. Canavan, Clarence W. Weaver, Ferris Summers, Boyd Stephenson. Middle Row: L.H. Cardwell, Robert Orr, Dale H. Scott, Herbert W. Leach, W.T. Evans, Oscar*

*C. Hirsch, Emmet Cameron, Orville A. Becklund, E.H. Mittanck. Top Row: Lyle Donaldson, Herbert Wiley, R.N. Himmel, Warren Wheeler, Bill Jurek, John Robuck, E.T. Garrett, Wm. Paul Stevens.*

## Una B. Lennon to Retire from IEEE Staff May 1983

The gracious lady who has the longest tenure as a member of the current IEEE staff has decided to "call it a day." Una B. Lennon, Staff Secretary of the Awards Board, after 39 years, will retire in May.

When asked about her decision to retire at this time, Una said, "I really love my work and truly enjoy all the wonderful people I have had the privilege of working with over the years.



Una B. Lennon

The job has been interesting, impressionable, and highly stimulating. After all, I have been associated with the cream of talent in electrical engineering for a long time! I feel it's time to *unwind* and relax."

Una joined the AIEE Staff on January 31, 1944, when headquarters were on 39th Street in New York City.

She started in the Membership Department. She later became head of that department. Subsequently Una was promoted to Secretary of the AIEE Board of Examiners which review applications and transfers and made recommendations to the AIEE Board of Directors.

Eight months after the merger of AIEE and IRE Una advanced to the Awards Board Secretariat and in 1965 was appointed Staff Secretary of the Awards Board of IEEE. She served that Board and its Committee and is responsible for a variety of details that eventually places the proper medal in the proper hands every year.

Tom Bartlett, IEEE Controller put it this way: "Una is a lovable person who will be greatly missed for her smile and friendly ways. She has truly touched our lives and will be remembered always."

Life Members wish Una all the best of stamp collecting, taking pictures and some great rounds of golf.

## History Center News

*Continued from page 4.*

projects on tap for the IEEE Centennial are a historical exhibit that will appear at major IEEE meetings (such as Electro, Wescon, etc.), a slide and tape media presentation that will be available for use by IEEE sections, chapters, and other groups, special publications related to the Centennial, and a broad effort to promote historical activities in technical societies, sections, and other IEEE entities.

Especially important to the Center's preparations at this stage is the development of the IEEE historical photograph collections. A full-time professional photographic researcher is putting the current picture collections in proper order and is coordinating an effort to locate appropriate collections of photographs dealing with the history of the AIEE, IRE, and IEEE, as well as with all aspects of the development of electrical science and technology over the past century. A number of Life Members, such as E.A. Laport and William J. Ellenberger, have already made important contributions to this ef-



## Dr. Mischa Schwartz is Winner of the IEEE Education Medal

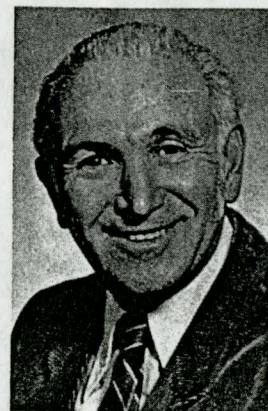
The 1983 Gold Medal in Education is awarded to Dr. Misha Schwartz. The medal is made possible by a grant from the Life Member Fund. He is a professor of electrical engineering and computer science at Columbia University in New York.

The citation reads: *For leadership in engineering education through devoted teaching and publication of outstanding textbooks.*

Dr. Schwartz received the B.E.E. degree from Cooper Union, New York, N.Y. in 1949, and the Ph.D. in applied physics from Harvard in 1951.

He is a Fellow of the IEEE and former Director, formerly Chairman of the Information Theory Group, on the Board of Governors of the Communications Society, and currently Vice-President of the Society. He is author and co-author of six books on communications, signal processing, and computer communication networks, and has published extensively in technical literature... He is on the editorial boards of IEEE Proceedings, Computer Networks, Performance Evaluation, and the Journal of Telecommunications Networks.

He has lectured extensively both in this country and abroad on various aspects of communication theory, communication systems, digital communications, and computer communications. He is a Fellow of the AAAS. Dr. Schwartz has been a communications consultant to many companies.



fort, and the Center is seeking others with resources that they would like to share. *We hope that Life Members with photographic collections that might be of historical interest will not hesitate to contact the Center.*

### An Apology

Some Life Members received an extra copy of the November 1982, LMF Newsletter. We regret the error.