



# Newsletter

## REMEMBER ME?

Some people call me Old Glory, others call me the Star Spangled Banner but whatever they call me I am your flag of the United States of America. Something has been bothering me so I thought I'd better talk it over with you because it's about you and me.

I remember some time ago people lined up on both sides of the street to watch a parade and naturally I was leading every parade, proudly waving in the breeze. When your Daddy saw me coming he immediately removed his hat and placed it against his left shoulder so that his hand was directly over his heart. Remember?

And I remember you standing there straight as a soldier. You didn't have a hat but you were giving the right salute. Remember your little sister? Not to be outdone, she was saluting the same as you with her right hand over her heart. Remember?

What happened? I'm still the same old flag. Oh, I have a few more stars since you were a boy. A lot more blood has been shed since those parades of long ago.

But I feel as proud as I used to when I start down your street. You first stand there with your hands in your pockets and I may get a small glance and then you look away. Then I see children running and shouting. They don't seem to know who I am. I saw one man take off his hat, then look around. He didn't see anybody else with theirs off so he quickly put his back on.

Is it a sin to be patriotic today? Have you forgotten what I stand for and where I've been? Guadalcanal, Korea and now Vietnam. Take a look at the Memorial Honor Rolls sometime. Of those who never came back to keep this republic free, one nation under God! When you salute me you are actually saluting them.

Well, it won't be long until I'll be coming down your street again. So, when you see me, stand straight, place your right hand over your heart and I'll salute you by waving back. Then I'll know that you remembered.



## Newark Airport Tour Scheduled

The May meeting of the North Jersey Section of the IEEE Computer Group will feature a talk on, "Benefits and Areas of Application of Hybrid Analog Computers," by Mr. A. Gerald Edwards.

A proper synthesis of analog and digital techniques will reduce to manageable proportions the set up time required to utilize the many advantages of analog computers for simulation and data reduction and analysis. Trade-offs between digital and analog techniques will be reviewed, as well as experience in the use of a large, modern analog computer for weapons and propellant design, and solution of thermal and chemical problems. Recent requirements for high speed simulation of extensive systems and mechanisms have given new impetus to the use of hybrid designs, as will be illustrated.

Mr. A. Gerald Edwards is Chief, Analog Hybrid Analysis Branch, Engineering Sciences Laboratory, Feltman Research Lab, Picatinny Arsenal. He is responsible for analytical and simulation work done by the Lab for the Arsenal and other Government agencies. He has been associated with the Arsenal since 1954 and has also taught at the College of the City of New York.

Mr. Edwards graduated from Brooklyn College with a degree in physics and has taken graduate work at N.Y.U. and Stevens Institute of Technology.

*Time:* Thursday, May 27, 8:00 P.M.

**Place:** Room 1H009, Bell Labs, Whippany, N.J. (On Whippany Road South of Route 10).

*Pre-Meeting Dinner: Llewellyn Farms Restaurant, Routes 10 and 202, Morris Plains, N.J.; 6:00 P.M.*

For further information contact: D.C. Russ, Jr., (201) 465-2301.

On May 19, 1971 the North Jersey Power Group will sponsor a tour of Newark Airport. Topics to be covered will be the new terminal area, combined heating and refrigeration plants, power systems and airport/runway lighting facilities.

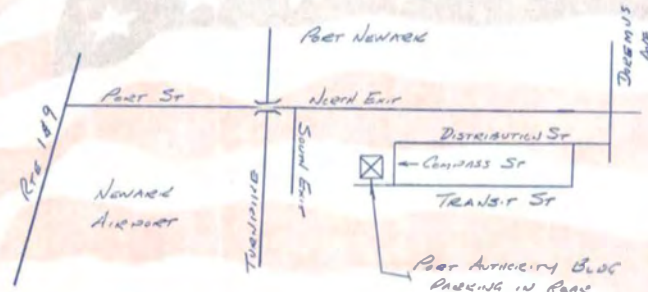
Mr. C. Gallagher, Port Authority Information Officer, will direct the tour. FAA and Port Authority technical personnel will be available for answering questions

that may arise during the tour.

Because of the nature of the tour, the maximum number that can be accommodated is 45. For reservations call C.H. Gentz, Jr., (201) 627-7000, Extension 3225.

*Time:* Wednesday, May 19; 6:30 P.M.

**Place:** Port Authority Administration Building, 260 Transit Street, Port Newark, New Jersey.



Wednesday, May 12

The Metropolitan New York Chapter IEEE Group in Engineering in Medicine and Biology—Modeling, Measuring and Monitoring of the Lung, Dr. T. W. Murphy, Speaker. Rockefeller University, South Lab, Room 204, York Ave. and 66th St., New York City, 8:00 P.M. Pre-Meeting Dinner: Abby Aldrich Hall, Rockefeller University, 6:00 P.M.

Thursday, May 13

Joint NJ Section and Reliability Meeting—Test Effectiveness, Mr. Gilbert Friedenreich, P.E., Speaker. Election of Officers. Singer-General Precision, Plant 3, Room 1-A, 1225 McBride Avenue, Little Falls, N.J., 8:00 P.M. Pre-Meeting Dinner: Holiday Inn, Route 46, Wayne, N.J., 6:00 P.M.

Wednesday, May 19

North Jersey Power Group—Tour of Newark Airport, Mr. C. Gallager, Tour Director.  
Port Authority Administration Building, 260 Transit Street, Port Newark, N.J., 6:30 P.M.

Thursday, May 20

The Electronic Devices Group of the New York Metropolitan Area Chapter—Recent Advances in Millimeter-Wave Impatt Diodes, Dr. Roger Edwards, Speaker. United Engineering Center, 345 East 47th Street, New York City, 8:00 P.M. Pre-Meeting Dinner: Copain Restaurant, First Avenue at 50th Street, NYC, 6:00 P.M.

Tuesday, May 25

The Vehicular Technology Group of the Metropolitan New York Chapter—Multiple Console Access to Three 2-Way Mobile Radio Base Stations, Mr. Ed Weingart, Speaker. Blue Dolphin Restaurant, Route 110, Farmingdale, L.I., 8:00 P.M. Pre-Meeting Dinner: Blue Dolphin Restaurant, 7:00 P.M.

Thursday, May 27

The North Jersey Section Computer Group—Benefits and Areas of Application of Hybrid Analog Computers, Mr. A. Gerald Edwards, Speaker. Bell Labs, Room 1H009, Whippany, N.J. (on Whippany Road South of Route 10), 8:00 P.M. Pre-Meeting Dinner: Llewellyn Farms Restaurant, Routes 10 and 202, Morris Plains, N.J., 6:00 P.M.

## SEPTEMBER NEWSLETTER

**DEADLINE**  
**JULY 20**



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## Newsletter Deadline

Deadline for receipt of material is the 20th of the second month preceding month of publication. All communications concerning the Newsletter including editorial matter, advertising, and mailing, should be addressed to: The NEWSLETTER, c/o Girard Associates, Inc., P. O. Box 111, Mt. Arlington, N. J. 07856, Phone: 398-5524.

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## REPORT ALL ADDRESS CHANGES TO:

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New York, N. Y. 10017

It is not necessary to inform the North Jersey Section when you change your mailing address. The NEWSLETTER and other section mailings use a list provided by IEEE's national headquarters in New York. This means the Section has no need to maintain a mailing list or addressing plates. Section membership records are changed when Headquarters notifies us.

## NORTH JERSEY SECTION OFFICERS 1970-1971



H. E. Blaicher, Jr.

Robert G. Sokalski

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## Joint Meeting: Test Effectiveness

A Joint May meeting of the NJ Section and the Reliability Group will feature a talk by Gilbert Friedenreich, P.E., of Grumman Aerospace Corp., on "Test Effectiveness." The meeting is open to all who wish to attend and students and non-IEEE visitors will be welcomed. Also, Section and Chapter officers for the coming year will be elected.

## About The Meeting

Mr. Friedenreich's talk will emphasize the current and near future trends necessary to attain the reliability of Aerospace products. The evolution of testing at Grumman Aerospace Corp. will be described in a four-phase approach highlighting the effectiveness of step stress and burn-in testing. To support the discussion, several examples of test effectiveness will be presented. Finally, future trends in testing will be discussed with suggestions for overcoming known deficiencies, ultimately resulting in the reduction of total test costs while assuring the achievement of operational reliability.

## About The Speaker

With over nineteen years of engineering experience, Mr. Friedenreich is presently Chief of Grumman Aerospace Corp. Reliability and Maintainability Control, where he is responsible for all corporate Reliability and Maintainability engineering.

Prior to joining GAC, Mr. Friedenreich served as Reliability Administrator on project FIRE with the Republic Space and Missile Division. Previously, he was director/engineering of Space Systems Division of Fairchild Stratos Corp., where he directed advanced systems studies, proposal efforts and established reliability techniques for application to complex spacecraft missions.

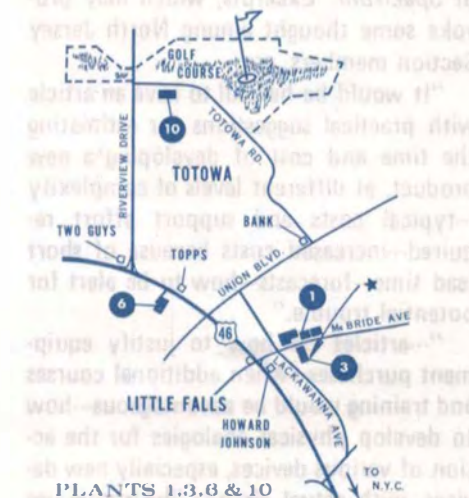
Mr. Friedenreich is a member of AIAA and is active in the Nassau Chapter of the New York State Society of Professional Engineers.

## Election of Officers

Election of chapter officers for the coming year will be held at this meeting. The following slate of officers has been prepared by the nominating committee: Chairman, Kenneth Grace, Bell Tele-

phone Laboratories; Vice Chairman, Donald Jensen, Associated Testing Laboratories; Secretary, Everett Labagh, Conrac Corporation; Members-at-Large: Mr. Richard Jacobs, Newark College of Engineering, Dr. Emil Neu, Stevens Institute of Technology, Dr. R. P. Misra, Newark College of Engineering, Mr. Stanley Cherkasky, Singer-General Precision.

Biographies of proposed Section Officers appear on page 6.



Time: Thursday, May 13; 8:00 P.M.  
Place: Singer-General Precision Plant 3, Research Center Conference Room 1-A, 1225 McBride Avenue, Little Falls, N.J.  
Pre-Meeting Dutch Treat Social and Dinner: Holiday Inn, Route 46, Wayne, N.J. (Near the intersection of Route 23 and Route 46); 6:00 P.M.

For further information, contact S. Cherkasky, (201) 256-4000, Ext. 5134, or E.L. Labagh, (201) 226-7777, Ext. 262.

## Mobile Radio Stations

The Vehicular Technology Group will hold a meeting on May 25th at the Blue Dolphin Restaurant.

The topic of the meeting is "Multiple Console Access to Three 2-Way Mobile Radio Base Stations" and the speaker will be Ed Weingart, Radio Engineer, of the New York Telephone Co.

Prior to the meeting, a dinner will be served in a private dining room.

Time: Tuesday, May 25; 8:00 P.M.  
Place: Blue Dolphin Restaurant, Route 110, Farmingdale, L.I.  
Pre-Meeting Dinner: Blue Dolphin Restaurant; 7:00 P.M.



## The Reader's Corner

In answer to our Chairman's question on the March cover, "Does IEEE Turn You Off?," Channing Williams of Rockaway, N.J. sent us a six-page letter suggesting many points for improvement. Since most of his comments were directed towards *Spectrum* and were of national rather than of specific local interest, his letter has been forwarded to the Editor of *Spectrum*. Excerpts, which may provoke some thought among North Jersey Section members, are:

"It would be helpful to have an article with practical suggestions for estimating the time and cost of developing a new product, at different levels of complexity---typical costs and support effort required---increased costs because of short lead time---forecasts---how to be alert for potential trouble."

"---articles on how to justify equipment purchases---when additional courses and training would be advantageous---how to develop physical analogies for the action of various devices, especially new devices, with actual circuits illustrating use of the device or component---trouble-shooting aids."

"---differences in action of N or P channel FETs operating in the depletion or enhancement mode."

"A list of abbreviations and their meanings would be useful."

### To the Editor:

Our engineering fraternity of the IEEE owes you a vote of appreciation for the technical material presented so fluently in the North Jersey Section IEEE Newsletter. Your down-to-earth reporting makes it extremely easy to look for the

papers and meetings of particular interest.

In response to Herb Blaicher's open letter in the March issue concerning reflection and attendance, this has been, and will be, a continuing problem. Referring to Page C3 of the same Newsletter, the course under ASME entitled, "Motivation and Discipline," applies to everyone. It should be recognized that one must motivate himself to *want* to do something and then must discipline himself to *do* it! Engineers are people---finding many diversions calling for attention. Television is perhaps the greatest excuse for saying, "I can't make it."

Engineers must discipline themselves to **expanding** areas of interest such as that provided by the committees who work so diligently to prepare papers, speakers, meetings and announcements. If there is no participation, no feedback, then the best papers reporting is love's labor lost. I know, as President of the Veteran Wireless Operators Association, and of the DeForest Pioneers, as well as Chairman of Papers Committee of Radio Club of America, that we constantly pray for a respectable turnout on behalf of our speakers.

Don't despair---even old tubes can be reactivated. I am confident that all members of the IEEE share my views.

Sincerely,  
J. R. Poppele  
Fellow IEEE

**Editor's note:** Mr. Poppele's accomplishments in the field of radio and electronics are legend. In addition to activities in the organizations he cites, Mr. Poppele was Director of the Voice of America during the Eisenhower Administration, Vice-President of Station WOR, Vice-President of the Mutual Broadcasting Co., President of the Television Broadcasters Assoc. and President of the FM Broadcasters Assoc.

### To the Editor:

Just a note to thank you for one of the most outstanding programs I've heard in many years of listening to technical society speakers. Mr. Leon O. Harmon's talk this evening at the Bell Telephone Whippany Laboratories on artificial intelligence wins my all-time vote for interest, informativeness, and also as a thought-provoker.

John M. Murray  
Editor, ARF Journal

## Computers for Power

The seventh annual PICA Conference will have as its theme -- PICA 7 -- Prognosis for the 70's. Over 60 technical papers will be presented on computer applications as associated with power system analysis, operation and security. Major companies will exhibit their computer hardware, software and control system capabilities.

Registration for IEEE members is \$30; non-members \$40. Details on advance registration and hotel reservations can be obtained from F. G. Arey, General Chairman, Stone & Webster Eng'g Corp., 225 Franklin St., Boston, Mass.

## New Standards Catalog

A new, enlarged catalog of standards and related publications is now available from the Institute of Electrical and Electronics Engineers. Listing more than 200 standards documents, many included for the first time or in new revised editions, the IEEE Standards Catalog features an extended, easy-to-use subject index and a thoroughly revised format.


Included are listings of publications on definitions, methods of measurement, test procedures, recommended practices, specifications, guides and associated documents. Listings of American National Standards developed within IEEE and available from IEEE are detailed.

Copies of the catalog can be obtained without charge by writing: Standards Office, Catalog Dept., Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, N.Y. 10017.

## Employment Prospects Down For '71 Graduates

This June's engineering graduate can't afford to be selective. Employers have reduced their campus recruiting visits by as much as 30 to 50 percent, the engineering student who complained two years ago of having to decide upon one of eight offers may be lucky to get just one.

Nevertheless, despite the recruiting cutbacks and talk of soft economy, salary offers---when they're made---are competitive, and the student with good qualifications can still expect a job.

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## Lung Mathematics

The Metropolitan New York Chapter IEEE Group in Engineering in Medicine and Biology will present a meeting on, "Modeling, Measuring and Monitoring of the Lung." Dr. T.W. Murphy of the New York University Medical Center will discuss the lung from the viewpoint of the basic mathematical models used to describe it. He will describe the possibilities inherent in the use of distributed models rather than lumped models and the relationship between current models of the lung and clinical tests of pulmonary function. The approach to on-line monitoring of pulmonary function and the errors which arise therein will be considered.

Dr. Murphy is Associate Professor of Anaesthesiology at New York University.

**Time:** Wednesday, May 12; 8:00 P.M.

**Place:** Rockefeller University, South Lab, Room 204, York Ave. and 66th St., New York City.

**Pre-Meeting Dinner:** Abby Aldrich Hall, Rockefeller University; 6:00 P.M.

## Impatt Diodes Advances

The Electronic Devices Group of the New York Metropolitan Area Chapter is sponsoring a talk by Dr. Roger Edwards concerning recent advances in solid state devices operating to frequencies as high as 150 gigahertz. These devices include DOR (double drift region) and SDR (single drift region) devices, including processing techniques such as ion implantation.

### About the Speaker:

Roger Edwards received his Ph.D. in Electron Physics from the University of Birmingham, England, in 1953. He worked several years for the British Admiralty's Service Electronics Research Laboratory. In 1958 he joined Bell Laboratories, where since 1968 he has been supervisor of the Millimeter Wave Impatt Devices Group at Murray Hill.

**Time:** Thursday, May 20; 8:00 P.M.

**Place:** United Engineering Center, 345 East 47th Street, New York City.

**Pre-Meeting Dinner:** Copain Restaurant, First Avenue at 50th Street, New York; 6:00 P.M.

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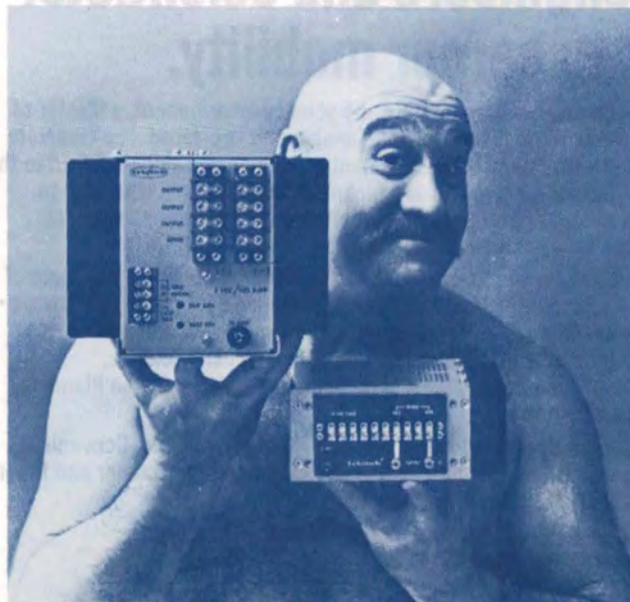
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## Section Nominees

The Nominating Committee is offering the following slate of individuals as candidates to serve as North Jersey Section IEEE officers for the period from July 1, 1971, to June 30, 1972:

*Chairman*—R. G. Sokalski

*Vice Chairman*—C. C. Torell

*Treasurer*—H. J. Perlis

*Secretary*—J. H. Gerth

*Member-at-Large*—James Gass

*Member-at-Large*—J. F. Kampschoer

ROBERT G. SOKALSKI is currently a Project Engineer at Aircraft Radio Corporation in Boonton, N.J., where he has been engaged in the design of airborne navigation and communications systems.

Mr. Sokalski received the B.S. degree with a mathematics major from Stevens Institute of Technology in 1962 and an M.S. degree in electrical engineering from Newark College of Engineering in 1967.

Mr. Sokalski is now serving as Vice-Chairman of the North Jersey Section IEEE. He has also served as Treasurer and Secretary of the Section. In 1969 he was

Chairman of the first Section sponsored conference—"New Horizons in Measurements—Trends in Theory and Application." In the 1965-66 year he was Chairman of the Group on Automatic Control. He is a member of the Circuit Theory Group and the Group on Instrumentation and Measurement.

CARL C. TORELL is Manager, Utility Sales, Newark District of the Federal Pacific Electric Company. His experience has been primarily in the field of Sales Engineering. Previously he was with the Pacific Electric Manufacturing Company, a forerunner of Federal Pacific and with the Westinghouse Electric and Manufacturing Company.

Mr. Torell graduated from the University of Michigan with a B.S. degree in Mechanical Engineering. He was elected to the Tau Beta Pi and the Vulcan honorary societies.

He is a Senior Member of the IEEE. He served as Vice-Chairman and Chairman of the Power Chapter and is at present Treasurer of the North Jersey Section. Prior to the merger, he was active in the AIEE, serving on the Educational Committee and was Vice-Chairman of the Related Ac-

tivities Committee of the New York Section. Also, he served as Chairman of the Related Activities Committee of the New Jersey Division of the New York Section.

In the North Jersey Section, he also served as Program Committee Chairman, Secretary, and two years as Member-at-Large.

HARLAN J. PERLIS is currently a Professor of Electrical Engineering at Newark College of Engineering, as well as being the Principal Investigator for N.S.F. Grant GK 23686, also at N.C.E. He received the B.E.E. degree from Clarkson College of Technology, the M.S. degree from Stevens Institute of Technology, and the Eng.Sc.D. degree from NYU.

Dr. Perlis was employed in various engineering capacities by Coles Signal Engineering Laboratories, A.B. Du Mont Laboratories, and Emerson Radio and Phonograph Corp. He has been a regular faculty member at New York University and Rutgers University performing undergraduate and graduate teaching and research. Dr. Perlis has published over 20 papers in the technical literature and is a contributing author of one book. He is a senior member of the Institute of Electrical and Electronic Engineers and the Instrument Society of America, and a member of the Society for Industrial and Applied Mathematics, American Society for Engineering Education, Armed Forces Communications and Electronics Association, American Geophysical Union, and the New York Academy of Sciences. He is a registered professional engineer in the State of New Jersey.

Dr. Perlis' professional society activities include: National Chairman of the Award Organization Committee, Eta Kappa Nu; past member of the Executive Committee, North Jersey Section—IEEE; past Program Chairman; past Chairman and member of the Executive Committee, New York, North Jersey, and Long Island Joint Group on Instrumentation and Measurement.

JOHN H. GERTH is Head of the Component Reliability Department at Bell Telephone Laboratories, Whippany, N.J. He is currently responsible for reliability studies of electronic and electromechanical parts, equipment and circuits.

Born in York, Pennsylvania, Mr. Gerth received the BS and MS degrees in electrical engineering from the Pennsylvania

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State University in 1943 and 1947, respectively. He has also attended Harvard University, Massachusetts Institute of Technology, North Carolina State University and Carnegie-Mellon University. During World War II, he served for three years as a radar officer with the U.S. Army Signal Corps and participated in the 1946 atomic bomb tests at Bikini.

Since joining Bell Laboratories in 1947, he has been engaged in work on mobile radio-telephones for the Bell System and various bombing-navigational systems for the USAF. He was appointed Head of the Component Reliability Department in November 1960.

Mr. Gerth, a Senior Member of the IEEE, has served on Reliability Definitions and Standards Committees of the IRE and IEEE from 1960 to the present. He was the first program chairman and subsequently vice chairman and chairman of the Reliability Chapter of the North Jersey Section of the IEEE.

JAMES C. GASS is Sales Representative of Allis-Chalmers' Electrical Transmission and Distribution Division. He received a B.S. degree in Industrial Management from Carnegie Institute of Technology (now Carnegie-Mellon University) in Pittsburgh, Pennsylvania. He served as a multi-engine aircraft pilot in the U.S. Army Air Force during the World War II period. He was born in Pittsburgh, Pennsylvania. Mr. Gass has spent his entire working career with Allis-Chalmers, at Pittsburgh transformer plant in various positions in manufacturing, engineering, and sales, and as Sales Representative in Union, New Jersey, for the past ten years. He is currently on the North Jersey Section Education Committee, completing his ninth year of serving on this committee with one term as chairman.

JAMES KAMPSCHOER is a Member of the Technical Staff at Bell Telephone Laboratories, Whippany, N.J. He received the BEE in electronics from the University of Minnesota in 1951. Following military service with the Signal Corp. in 1952, he joined the AT&T Co. where he was engaged in equipment and transmission engineering on microwave radio systems. Since 1956, Mr. Kampschoer worked on design and planning associated with communications for the Government Air Defense, Mercury—the first manned Space Flight, and Ocean Science Projects.

## Report from:

## The Group Coordinator

Just as there are many Professional Groups within the IEEE, so also there are many Chapters of these Professional Groups within the North Jersey Section. These Chapters promote the exchange of technical information concerning their special areas of interest particularly among the membership of the North Jersey Section. For those who might not be aware of these activities, the currently active Chapters together with their membership figures (as of 12/31/70), and the names and addresses of their Chairmen are listed below:

**G-3/17, Antennas and Propagation/Microwave Theory and Techniques (Membership, 71/228 = 305) — Mr. R. V. Snyder (201) 228-3890 X218, 41 Fairfield Place, West Caldwell, New Jersey 07006.**

**G-7, Reliability (99) — Mr. Gregor L. Hetzel (201) 386-2509, Bell Telephone Laboratories, Whippany, New Jersey 07981.**

**G-16, Computer (539) — Mr. Richard Shively (201) 386-4715, Bell Telephone Laboratories, Whippany, New Jersey 07981.**

**G-19, Communications Technology (350) — Mr. G. C. Parowski (201) 529-4600 X2463, Western Union Technical Center, 82 McKee Drive, Mahwah, New Jersey 07430.**

**G-23, Automatic Control (188) — Dr. Gerard A. Ford (201) 386-5103, Bell Telephone Laboratories, Whippany, New Jersey 07981.**

**G-31, Power (386) — Mr. Peter Jackson (201) 539-6111 X460, Jersey Central/New Jersey Power & Light Co., Madison Avenue at Punchbowl Road, Morristown, New Jersey 07960.**

**G-5/18/29/28, Nuclear Science, Engineering in Medicine and Biology, Geoscience Electronics, and Systems, Man and Cybernetics (44/157/26/105 = 332) — Mr. Charles Lundeen (201) 265-5000 X340, Hewlett Packard, West 120 Century Road, Paramus, New Jersey 07652.**

In addition to the above, the North Jersey Section jointly sponsors the following Chapters with the New York, Long Island, and Princeton Sections.

**G-6, Vehicular Technology (N.J. 70, N.Y. 75, L.I. 55 = 200) — Mr. George K. Starace (212) 396-2949, N.Y. Telephone Co., 101 Willoughby Street, Rm. 1500, Brooklyn, New York 11201.**

**G-9, Instrumentation & Measurement (N.J. 164, N.Y. 179, L.I. 91 = 434) — Mr. Karl Sommer (212) 460-6176, Consolidated Edison Co., 4 Irving Place, New York, N.Y. 10003.**

**G-10, Aerospace and Electronic Systems (N.J. 269, N.Y. 247 = 516) — Mr. Irving Meltzer (201) 256-4000 X829, Singer Kearfott, 150 Totowa Road, Wayne, N.J. 07470.**

**G-12, Information Theory (N.J. 159, N.Y. 258, L.I. 134 = 551) — Mr. L. Kurz (212) 584-0700, Engineering Campus, New York University, New York, New York 10453.**

**G-14, Engineering Management (N.J. 229, N.Y. 278, L.I. 179 = 686) — Mr. James P. Leonard (212) 428-3637, 209-07 38th Avenue, Bayside, New York 11361.**

**G-15, Electron Devices (N.J. 291, N.Y. 331, L.I. 155 = 777) — Mr. Harold Veloric (201) 722-3200 X3627, Radio Corp. of America, Somerville, N.J. 08876.**

**G-18, Engineering in Medicine and Biology (N.J. 157, N.Y. 380, L.I. 115 = 712) — Mr. Ovid Slavin (212) 495-6800, Brookdale Hospital, Brooklyn, New York 12112.**

**G-21, Parts, Material and Packaging (N.J. 77, N.Y. 63, L.I. 65 = 205) — Mr. J. M. Rausch (201) 386-3383, Bell Telephone Laboratories, Whippany, N.J. 07981.**

**G-27, Electromagnetic Compatibility (N.J. 51, N.Y. 49, L.I. 64 = 164) — Mr. W. Bakker (201) 287-0800, Metex Corporation, 970 New Durham Road, Edison, N.J. 08817.**

If you would like to participate in the activities of any of the above Chapters, watch the NEWSLETTER for meeting announcements, contact the appropriate chairman, or call your Group Coordinator, John H. Gerth, (201) 386-4191.



## The Editor's Corner



On May 31st, our nation will celebrate Memorial Day, the day set aside as a tribute to those who gave their lives fighting for our country. Many of us can remember when, on Memorial Day and other National holidays, the Stars and Stripes were flown from almost every house in town. But something has changed in the last dozen years. The American flag, the symbol of our great country, no longer enjoys the respect and veneration accorded it by previous generations.

Worse yet, we read about increasingly frequent acts of desecration directed at the flag. There was a time, not too long ago, when anyone showing disrespect for the flag would have been summarily dealt with by outraged citizens. What has happened? Why have people in general become so unconcerned about acts of disrespect and desecration?

The answer in part is apathy. The dictionary defines apathy as a "lack of interest or concern." This lack of interest—apathy—is one of the greatest threats today to our American way of life. Apathy and indifference are the breeding ground of revolutionary forces which threaten to undermine and topple the greatest form of government the world has ever known.

No better illustration of intentional defiling of the flag, and apathy on the part of those witnessing this disgraceful demonstration, could be found than in the accompanying photograph taken in New York City last February. The young people in the picture deliberately profaned the flag by placing it on a rain-swept sidewalk and then proceeded to trample on it for over an hour.

The real tragedy is that hundreds of apathetic bystanders watched this shameful spectacle and none made a move to

either challenge these young radicals or to rescue the flag from this ignominious position. Is patriotism *that* dead?

If we as a society allow our flag to be repeatedly desecrated, then apathy has indeed set in. Each day, as more and more outrages are committed against the country and the flag that we love, a little bit of America dies! When apathy becomes rampant, then the stage is irreparably set for the ultimate disintegration of our society.

Apathy is a tool used by those who would subvert our democratic form of government to their own evil ends. And, make no mistake—this is their avowed intention. Read these rules laid down by those who seek to overthrow our American way of life.

A. Corrupt the young; get them away from religion. Get them interested in sex. Make them superficial; destroy their ruggedness.

B. Get control of all means of publicity, thereby:

1. Get people's minds off their government by focusing their attention on athletics, sexy books and other trivialities.
2. Divide the people into hostile groups by constantly harping on controversial matters of no importance.
3. Destroy the people's faith in their natural leaders by holding the latter up to contempt, ridicule and disgrace.
4. Always preach true democracy but seize power as fast and as ruthlessly as possible.
5. By encouraging government extravagance, destroy its credit; produce fear of inflation with rising prices and general discontent.
6. Incite unnecessary strikes in vital industries, encourage civil disorders and foster a soft and lenient attitude on the part of government to such disorders.
7. By specious argument, cause the breakdown of the old moral virtues—honesty, sobriety, self-restraint, faith in the pledged word, ruggedness.

Shocking, isn't it. But, these are not *recent* groundrules for the overthrow of America. This document of destruction was secured by Allied Forces in Europe in May, 1919, *fifty-two years ago*. And, in 1946, a U. S. Attorney General obtained the same "Communist Rules for Revolution" from a known member of



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the Communist Party. *These rules have not changed!* Read them again and as you do, mentally apply them to our present national crisis. It's frightening when you see the headway the Communist rule-writers have made towards these goals.

America today stands at the crossroads of destiny. The very preservation of our democracy now demands that we become interested, that we become involved, that we discard apathy, that we no longer remain aloof to the very real danger that confronts the United States. We should never be lulled into a false sense of security that it can't happen here. It *is* happening right now.

We are seeing the systematic destruction of the very values that have made us the greatest and most prosperous people in the annals of human history. Failure to exercise the responsibilities of citizenship will weaken and ultimately destroy those individual freedoms and opportunities which are the historic pillars of our representative Constitutional Republic. If we care whether our children and grandchildren will be free men or slaves, we should be concerned about what's happening in America today.

We cannot afford to be apathetic about flag desecration or anything else which threatens the security of our country. That would be the ultimate tragedy. America's future depends on all of us.