STRENGTHEN AMERICA

SCOUTING CAN MAKE THE DIFFERENCE

SPONSORED BY GE AIRCRAFT ENGINES
The oldest and largest Explorer Post in the State of Ohio, ELFUN sponsored Post 303 was organized in the late 1950’s. Initially, this group was organized mainly to study various fields of science involving chemistry and astronomy. However, in 1963 the Atomic Energy Merit Badge Program was begun with approximately 50 - 60 Scouts and Explorers, mainly boys of high school age, attending the initial introductory meeting. This meeting was then followed by a succession of meetings which carried on through the year to about April or May.
At each meeting, a lecture was given by one of the nuclear scientists from the General Electric Company covering all of the requirements of the Atomic Energy Merit Badge. One of the more important supplemental features of the program was the experimental program wherein the boys did actual experiments with radioactive substances to allow them to do radiography experiments. Another experiment which some of the boys attempted involved construction and use of geiger counters, cloud chambers, electrosopes, and isotope models. This program resulted in the awarding at a graduation ceremony in May 1964 of 40 Atomic Energy Merit Badges.

**NEW MERIT BADGE REQUIREMENTS**

(Revised originally in October 1963 by SCOUTING Magazine)

Scientific-minded Boys and Explorers will welcome new merit badges in Atomic Energy and Electronics. The requirements for both badges are included in the 1964 Boy Scout Requirements booklet, being released this fall. Requirements will be available early next year, but where counselors are available, the badges may be earned immediately.

**Atomic Energy Requirements**

1. Be able to tell your merit badge counselor in your own words the meaning of the following words or terms:
   - Alpha particle, beta particle, Geiger counter, fallout, fission, fusion, gamma rays, half-life, isotope, ionization, nuclear reactor, radioactive, radiation, tracer, tritium, uranium, X-ray, Y-ray.

2. Construct three-dimensional models of the atoms of the three isotopes of hydrogen, showing neutrons, protons, and electrons. Use these models to explain to your counselor the difference between atomic weight and atomic number.

3. Draw a diagram showing how nuclear fission happens and label the fissionable material, all neutrons, and the fission products. Draw a second picture showing how a chain reaction could be started and how it could be stopped. Show the drawings to your merit badge counselor and he will tell you how to do a demonstration using simple materials.

4. Be able to tell your counselor who are the following people and explain what each of them discovered about atomic energy, nuclear reactions, or radioactivity:

5. Draw the standard radiation hazard symbol in the proper color and explain to your own words, in the satisfaction of your merit badge counselor, where this symbol should be used and when it should not be used. Be able to tell your counselor why and how people must use radiation or radioactive materials carefully.

6. Do any three of the following:
   a. Build an atomic nucleus using simple materials. Show your counselor how it works. Put a radiation source inside the container and explain to your counselor any difference observed.
   b. Have a simple geiger counter and tell your counselor what parts are the detector, the amplifier, and the indicator. Tell your counselor which type of radiation the counter uses and how much current per minute of what radiation you have detected in your home with the geiger counter.
   c. Build a model of a nuclear reactor showing the nuclear fuel, the control rods, the radiation shielding, the moderator, and any cooling materials. Explain to the satisfaction of your counselor how nuclear fission can be used to transform nuclear energy into electrical energy or to produce things radioactive.
   d. Using a geiger counter, you have built your own instrument and a radiation source, show your merit badge counselor how the counts per minute change as the radiation source gets closer to the detector. Place at least three different kinds of material between the source and the detector and explain to your counselor any differences in the counts per minute. Tell your counselor which material you would recommend to shield people from radiation and why.
   e. Using fast-speed film and a radiation source, conduct an experiment illustrating the principles of autoradiographs and radiographs and show the results to your counselor. Explain to the satisfaction of your counselor, what it is, how someone could use this technique in medicine research or industry.
   f. Using a geiger counter that you have built or borrowed, find a radiation source and show your merit badge counselor has hidden under a covering. Repeat the experiment with your counselor and explain the differences in the cover and a map representing the cover movements and locations of the source. Explain in your own words, in the satisfaction of your counselor, how someone could use this technique in medicine research, agriculture, or industry.
   g. Arrange, with the assistance of your merit badge counselor, to visit a dentist, physician, veterinarian, or hospital where x-ray equipment is used. Draw a floor plan of the room in which the x-ray equipment is used, showing where the unit, the operator of the unit, and the patient would be when it is used. Show your counselor the x-ray equipment and explain to him the radiation hazards from the x-ray equipment.

**SUGGESTED PROCEDURES FOR ATOMIC ENERGY MERIT BADGE QUALIFICATION**

1. Candidate first scans all material he can use to satisfy the badge requirements. Then he may visit his home office or district commander to examine his performance and make a preliminary test.
2. District leader issues an application form and certifies that candidate has achieved the required requirements. Leader also certifies that candidate is appropriate Date of Completion.
3. Leader confirms that candidate has completed all requirements. Leader also certifies that candidate has completed all requirements.
4. Candidate submits a report which certifies that candidate has passed all previous requirements. Candidate also certifies that candidate has completed all requirements.
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**NEW MERIT BADGE REQUIREMENTS**

(Revised originally in October 1963 by SCOUTING Magazine)
The Night GE-Sponsored Explorer Scouts Made History

On the evening of April 2, members of Cincinnati's Advanced Explorer Post 303, sponsored by General Electric at Evendale, along with other Scouts from parts of Ohio and Kentucky, made the news.

They were the first young men in the history of boy scouting to be awarded merit badges in metallurgy.

For the occasion, the local chapter of the American Society of Metals staged appropriate and impressive ceremonies at the Engineering Society of Cincinnati's McMillan Avenue building. Among the honored guests attending were Fred P. Strother, National Council, Boy Scouts of America and Dr. Stewart G. Fletcher, Vice President and Technical Director of Latrobe Steel, Latrobe, Pennsylvania.

Ned Herrmann, Manager - Employees and Community Relations for the Evendale plant represented General Electric and presented the 67 young men who earned the first coveted merit badges in metallurgy with special certificates, prepared for the occasion.

About one-third of the young metallurgists are the sons of GE people. And GE people played a large and important role in helping to make the night memorable. NM&PO's Manager - Employee Relations, George Hunsinger, was the able Master of Ceremonies for the Awards Program. Walter G. Baxter, NM&PO was the program Chairman.

All of the glamour, color and excitement of the memorable evening was documented by General Electric photographer John Weisman.

PRESENTING THE COLORS - The National Emblem and participating Troop and Post standards were presented at the start of the ceremonies.

April 2, 1965

NED HERRMANN, Manager-Employee and Community Relations at Evendale General Electric, admires one of the hard-earned Metallurgy Merit Badges. The trimly uniformed Explorer Scouts are Donn Storch, Ken Hausner, Tom Pence, Dick Burns and Dave Reed. Mr. Herrmann presented all merit badge recipients with their formal certificates, especially prepared for the occasion.

“BACKSTAGE” WORKERS AND “STARS” — With the ceremonies over, this group of hard-working GE men who spent months planning and organizing the event, chatted with a few of the young metallurgists. Front row: Bob Rau, Post 303 Advisor, with Rod and Greg Calkins, of Wyoming Troop 450. Back row: Stu Leighton, Rick Jordan, Paul Pomeroy of Wyoming Troop 482, his Dad, George Pomeroy, Dr. Vincent Calkins, Walter Baxter and George Hunsinger.

PROUD GE FATHERS AND HONORED SONS — GE families posed for this photo a few minutes after the close of the ceremonies. In the front row, in the usual order: Gary Green, Rod Calkins, Dr. Vincent Calkins, Greg Calkins, Bob Berning and Earl Berning. Middle row: Charles Green, Paul Pomeroy, Jon Sells, Rick Jordan, Elliot Chase and Dave Reed. Back row: Ted Lewtas, George Pomeroy, Bert Sells, Buck Jordan, George Chase and Ken Reed.
American Society for Metals and THE BOY SCOUTS OF AMERICA

“THE FIRST NATIONAL AWARDS for METALLURGY MERIT BADGE”

FRIDAY EVENING - APRIL 2, 1965
Engineer Society Headquarters - 1349 East McMillian St.

5:30 - 6:00 p.m. INFORMAL RECEPTION
6:00 - 7:00 p.m. DINNER* - INVOCATION
7:00 - 7:45 p.m. LOCAL PROGRAM HIGHLIGHTS

WELCOME - INTRODUCTIONS
Mr. R. Baugham, Chairman - Cincinnati Chapter
American Society for Metals
Mr. Basli Starkey, Executive Officer - Dan Beard Council
Boy Scouts of America

8:00 p.m.** MAIN PROGRAM - INTRODUCTIONS
Mr. George Hunzinger - General Electric Company
Institutional Representative BSA - Explorer Post 303

PRINCIPAL SPEAKER: Dr. M. Eugene Merchant
Director of Scientific Research
Cincinnati Milling Machine Company

SUBJECT: “METALLURGY - A CHALLENGE TO YOUTH”

PRESENTATION OF AWARDS

Dr. M. Eugene Merchant was born in New England. After completing his undergraduate education in mechanical engineering at the University of Vermont, he joined the Cincinnati Milling Machine Company and received his Doctor of Science degree at the University of Cincinnati in 1941. His research activities include basic and applied research on metal cutting, cutting fluids, friction, wear and lubrication, and he has presented and published numerous papers on these subjects.

In 1955 he was chosen as Cincinnati’s “Engineer of the Year” by the Technical and Scientific Societies Council of Cincinnati, and in 1959 he received the Richards Memorial Award of the American Society of Mechanical Engineers and the National Award of the American Society of Lubrication Engineers. He is a Past National President of the American Society of Lubrication Engineers and a Past President of the Engineering Society of Cincinnati. Dr. Merchant is a member of Phi Beta Kappa, Tau Beta Pi, and Sigma Xi.

Dr. Merchant is active in Scouting and is holder of the Silver Beaver Award. He has been active in Scouting (as a scout, submaster, scoutmaster and district commissioner) for over 25 years. He is presently Assistant Scout Commissioner responsible for Eastern Service Area of the Dan Beard Council, a committeeman for Explorer Post 149 in Mariemont, and a merit badge counselor. He has accompanied the explorers of post 149 on their regular canoe trips into the Canadian wilderness approximately every other year since 1953.

HONORED GUESTS

Dr. Stuart Fletcher, Vice President Technical Director
Ladbro Steel Co., Latrobe, Pa.
President Elect-American Society of Metals
Mr. Fred P. Strother, National Council-Boy Scouts of Am.
Boy Scouts of America-National Hq.
New Brunswick, New Jersey
Mr. Allan R. Putman, Executive Secretary - ASM
Metals Park Ohio
Mr. T. C. DuMond, Chapter Representative - ASM
Metals Park Ohio
Mr. William Hubbell, Region Four Executive-
Boy Scouts of Am., Cincinnati, Ohio
Mr. Dwight Thompson, President-Dan Beard Council
Boy Scouts of America-Cincinnati, Ohio
Mr. R. G. Lewis
President-Engineering Society of America

MARK YOUR CALENDAR

APRIL 10, 1965 - ANNUAL TRI-CHAPTER MEETING
Host Chapter: Columbus
Subject: Industrial Applications of Aerospace Programs
10 a.m. - 8 p.m. including lunch, dinner, four speakers plus tour of North American

APRIL 8, 1965 - UC GRADUATE SEMINAR
Speaker: Dr. Stuart W. Churchill
Subject: The Minimum Description of a Boundary Value Problem
4:30 p.m. - Room 105 - Chemistry Building

MAY 11, 1965 - ANNUAL MEETING
Terrace Park Country Club
Line up your Golf Foursomes

MAY 13, 1965 - UC GRADUATE SEMINAR
Speaker: Dr. O. W. Nester
Subject: Laser Concepts, Materials, and Applications

* Dinner-$3.00 - Children $2.00 - Optional-Reservations Required - CALL MR. LYNN ARNOLD (242-1111) BY MARCH 29, 1965.

**Open to the public
What It Takes To Be A Metallurgist and Engineer

By Kenneth R. Hofheinz*

A metallurgist at Battelle makes a study of the physical properties of metallic materials and in preparing coatings for nuclear particles.

The 19th grade, a continuous process of adding to the knowledge of the engineer, is repeated in this school through the "Metals" courses. The process is utilized in preparing for metallurgical engineering and in preparing coatings for nuclear particles.

Special Scientific Interest

The need for engineers has a special scientific interest area such as electronics, computer science, or of the physical and biological sciences in general.

After-school seminars, participation in Society for Science, presentation of scientific research papers, and participation in important background information and experience for the world's engineers.

The world's engineers should be equally interested in the scientific development as well as those who are least likely to accept the novel approach to the principle that every engineer is interested in research.

He Works Diligently

For example, the personal attributes of the future metallurgist as an engineer are solidly based in this area. The metallurgist should choose science and engineering metallurgy as a career of particular interest.

Prerequisites

These are the intelligence perecepts which will influence the engineer's ability to attempt a career in science or engineering. Generally stated, these are: average intelligence (above IQ 100), the opportunity to develop, personal attributes, intellectual curiosity; and financial means to pursue the required training.

Has a High IQ

The IQ is a test of how well a person is trained in science or engineering. It is determined by a series of tests administered by the school. Persons and situations should not rely only on the result of a single test but rather on the results of a number of tests over a period of years. In some school systems the IQ test results are not always available to parents but are essential for one school personnel. Perhaps better still, the would-be engineer's ranking in the upper 1/4 or 1/6 of his class is a good indication of above-average intelligence. Putting it another way, he is told "average average", "superior", or "gifted".

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FRED P. STROTHER, NATIONAL COUNCIL, BSA (in uniform), proudly presents metallurgy merit badges to Tom Pence, Ken Husner, Dave Reed and Donn Storch. Ned Herrmann, Evendale’s Manager — Employee and Community Relations is at left.

April 2, 1965
April 30, 1965

Dr. M. Eugene Merchant
Director of Scientific Research
The Cincinnati Milling Machine Co.
Cincinnati, Ohio 45209

Dear Dr. Merchant:

My greetings to you across the years and miles between the Region 10 Canoe Base and now. I can't remember for sure the other men who came those several years with you and your son Dave, but I well remember you. From the mention in your talk at the Metallurgy merit badge presentation, you are still at it.

Little did I know that you were a topflight scientist, and I am sure I did not look like an editor up on the edge of the wilderness. G. W. Pomeroy of General Electric sent me a copy of the complete text of your talk to the metallurgy group. I wanted it as a possible article for SCOUTING magazine.

Now that I have seen it, I want to share my reactions with you. It was a marvelous talk for the purpose. It must have been well-received by the merit badge winners and their friends and contained a real message. For the adult readers of SCOUTING magazine, we would have to cut out most of the metallurgy material and concentrate on your introductory points of doorways opened by Scouting and the merit badge program. We could, if any of my staff ever find time, excerpt that part of your talk, and I would be tempted to leave in Meadows, Horse, and Tum Tum Portages. (There was a folk-tale that several crews found Yum Yum Portage and came back, but I never knew for sure that it was till now.)

You have directed your remarks largely to the Scouts and Explorers. This would need to be directed to the adult readers of SCOUTING magazine. Now, the $64,000 question—could you find the time in between your canoe trips to put together an article to include this outlook you have on Scouting and the merit badge program for an article for SCOUTING magazine? We believe it would be a better article that way, but you know the demands on your time better than we do.

When you write Dave again, greet him for me.

Sincerely yours,

SAY SCOUTS OF AMERICA
Education Division

Oren R. Felton
Managing Editor
SCOUTING Magazine

Mr. G. W. Pomeroy
BOY SCOUTS of AMERICA and AMERICAN SOCIETY for METALS

Award

First Metallurgy Merit Badge

to

Presented at
The Engineering Society of Cincinnati
April 2, 1965

Mr. Fred P. Beucher
National Council - Boy Scouts of America

Dr. Stuart Fletcher
President - American Society for Metals
203 Sleepy Hollow Court  
Seabrook, Texas  
March 2, 1965

Mr. George W. Pomeroy  
General Electric Company  
Nuclear Materials & Propulsion Operations  
P. O. Box 15132  
Cincinnati, Ohio  45215

Dear Mr. Pomeroy:

I have just talked with my secretary in Fort Lauderdale and she informed me of Mr. Fellows' kind invitation to participate in the Merit Badge Awards Program in Cincinnati on April 2, 1965.

I appreciate your consideration in this regard and regret very much that I am not able to accept. There are several areas in which I find it necessary to divide my time these days, and I am sorry I am not able to accept all the kind invitations offered by worthy organizations such as this one.

I am again working with the space program as a consultant to the National Aeronautics and Space Administration and taking part in other activities with organizations such as the Boy Scouts and Freedoms Foundation, as well as being on the Board of Directors of Royal Crown Cola Co. However, since we have received so many invitations from various Boy Scout Movements throughout the country, we have found it necessary to work with them more or less on a national scale.

Please express my regrets to Mr. Fellows, for I sincerely appreciate his invitation. I wish you the best of luck with this year's program and please express my best wishes to the participants.

Sincerely yours,

John H. Glenn, Jr.
Colonel, USMC (Ret.)

NASA Astronaut

Dictated by telephone by Colonel Glenn and signed in his absence.
STRENGTHEN AMERICA

SCOUTING
CAN MAKE THE DIFFERENCE

BOY SCOUTS OF AMERICA AWARDS PROGRAM
FIRST PRESENTATION OF METALLURGY MERIT BADGE
APRIL 2, 1965
CINCINNATI, OHIO

JACK TWYMAN
Member
Ted Williams Sports Advisory Staff

Jack Twyman of the Cincinnati Royals is in his 8th season with the National Basketball Association. For eight years in a row he has been one of pro basketball's star players and top scorers. He is the oldest Royals' veteran in point of service and the only member of the original Rochester team still with the club.

At 6 feet 6 inches, he is not considered tall as pro basketball players go, but he makes up for his height with deadly accuracy from the corners and far out. He has two excellent soft shots, a one-handed jumper and two-handed set. Boston Celtic Coach Red Auerbach discussing his one hand jump shot said, "Show him a little daylight and boom -- it's up and in."

Twyman has a career average of 22.1 points a game over a span of seven seasons and 523 pro games. Last year he was runner-up to Wilt Chamberlain as the NBA field goal percentage leader, hitting 49 per cent of his shots and was the fifth highest scorer in the league. The two previous years he was runner-up to Bob Pettit and Chamberlain as the top scorer. His 2,138 points in 1959-60 was the most he has scored in a season. His top single game output as a pro was a 59-point total against the Lakers in January, 1960. He made the All-NBA second team in 1959-60.

He has played in six NBA All-Star Games and compiled a 15.2 average, and holds the best field goal percentage record.

On November 16, 1961, in a game against Boston, he scored 29 points putting him over the 10,000 mark as a pro.
In 1965 the Space Exploration Merit Badge Program was undertaken by the Post. The program again consisted of lectures by qualified scientists in the Space field of science as well as movie and slide demonstrations, together with tours of some of the facilities of the Space Power and Propulsion Section. The first Space Exploration Merit Badges in the Cincinnati area were awarded in the Spring of 1966.
1. Present a report in at least 500 words, describing the history and development of space exploration.

2. Do the following:
   (a) Identify from illustrations or models five U.S. space launch vehicles and seven U.S. unmanned spacecraft.
   (b) Describe the purpose of two U.S. space probes and two satellites, giving the main types of instruments involved.
   (c) Identify and describe the missions of at least three U.S. manned spacecraft.

3. Assume you are an astronaut in a spacecraft. Explain briefly in writing problems and how they may be solved, related to five of the following: radiation, meteoroids, weightlessness, diet, sanitation, clothing, acceleration, deceleration, reentry, breathing, and communication.

4. Draw plans for and construct a nonfiring model of a space launch vehicle. Using this model, describe how it operates to place a spacecraft in orbit, and how a spacecraft might be launched from such spacecraft. Explain how a satellite remains in orbit.

5. Do ONE of the following three projects:
   (a) Describe a series of six conditioning exercises that you might use to prepare yourself for space exploration, explaining their purpose.

A bonus was a trip to the Kennedy Space Center in Florida.
August 10, 1966  
J. H. Anderson, Acting Manager 
Employee Relations - Engineering & Projects - Evendale  

Reference our meeting this morning with Mr. George Powers, Nuclear Materials and Propulsion Operations, concerning the Explorer Scout Post which is sponsored by G. E. Evendale. It is requested that Engineering, FPPL, take the initiative in providing leadership for this Explorer Scout Post for the next two years. 

First of all, a Post Advisor is needed. The Post Advisor should be someone who is interested in boys and who has the know-how to coach them in the jet engine field. This man would be in charge of the Scout meetings which are generally held two times a month. This year the Scout meetings were held in the Building 701 lobby from 7 to 9 P.M. on the first and third Wednesdays of each month. The Post Advisor, along with the Scout Committee, will be responsible for planning programs and activities for the Post. 

It was considered that the committee members themselves could have diversified experience in different areas so they could teach the boys various phases of the jet engine technology. Other specialists could be called in as the committee decided.

As we discussed, there are about 50 boys in this Post who are in the 15 to 18 year-old bracket. A lot of these boys are Eagle Scouts and are eager now to explore in the jet engine field. Last year they learned about Space Technology at the Explorer Scout Post meetings.

From now on associated, for the most part, with Mr. M. A. Zink's organization. After 2 years the Post Advisor should be someone who has had some experience in this field and who can provide some leadership. George Powers is now serving as a member and to guide them as needed.

I would like you to do some ground work during the next two weeks, while Mr. Powers is on vacation, in terms of lining in boys who would be interested in becoming Post Advisor. We would like to arrange with Mr. Zink to get his cooperation with this activity. I met with Mr. R. E. Fundera, Manager of Public Affairs on 8/7/66, and he assured me that funds are available on condition of the activity.

Mr. Fundera is doing Institutional Representatives for the Evendale Plant and he will work closely with the committee according to Mr. Powers, in place of getting facilities and equipment that may be needed. He would like to take advantage of some of the jet engine training films, manuals, etc. that may be available.

One reason for recommending two years of activity is that the first year of activity could be held within the framework of the existing small Post. It is recommended that a Turbo Machinery Merit Badge Program be organized and approved for the second year. This Program might be similar to the one that Mr. Powers, who is in the process of developing it, would organize for the first time in 1968.

As one of the Valley District Boy Scout Organizational Committees, I will be happy to help in any way I can in the reorganization phases of the Explorer Scout Post.


general electric
### 1968 Post 303 Charter

#### Committee Roster

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. E. Johnson</td>
<td>123 Forest Ave, Cincinnati, OH</td>
</tr>
<tr>
<td>J. M. Thompson</td>
<td>456 Maple St, Dayton, OH</td>
</tr>
<tr>
<td>E. W. Porter</td>
<td>789 Oak St, Columbus, OH</td>
</tr>
</tbody>
</table>

#### Scout Roster

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. E. Johnson</td>
<td>123 Forest Ave, Cincinnati, OH</td>
</tr>
<tr>
<td>J. M. Thompson</td>
<td>456 Maple St, Dayton, OH</td>
</tr>
<tr>
<td>E. W. Porter</td>
<td>789 Oak St, Columbus, OH</td>
</tr>
</tbody>
</table>
Following the program on Space Exploration, the scientific emphasis shifted to the field of jet engines. The program consisted of an orientation, a series of lectures and discussions to familiarize the members with some aspects of jet engines and concepts of flight propulsion. The scouts were provided the opportunity to participate in experimental areas that included wind tunnel tests, aerodynamic design and features required for flight propulsion, as well as component and engine testing.
February 7, 1968

Mr. Lou Cheek
C-2

With the concurrence of W. Ellough, I have completed arrangements for the Company to join with A.E.C. and the new Cincinnati Science Center to make available a Merit Badge in Atomic Energy for a large number of area boys.

General Electric N.S.P.D. personnel involved include R. Bau, G. Pomeroy and Dr. L. Keys, who have been nominated by the Company to serve as a White House Fellow. Principal lecturer for the program will be John Voil of the A.E.C. The theater and work rooms of the new Science Center have been made available through the cooperation of Dr. A. Porter and L. E. Ridenour, director and assistant director.

This, I feel, provides us with another opportunity to encourage high school students to pursue a career in the sciences. In addition, it provides an opportunity for the Company to cooperate at little cost with the other agencies involved.

This new program is in addition to the very successful Merit Badge program in Gas Turbines with which our Evendale Plant Explorer Post F03 is now affiliated. Leaders for this program include E. Eglin, J. Schmutz, R. Sells, J. Novak and others in the Aircraft Technical Division.

At my invitation, Gene Lang attended yesterday's organization meeting and has agreed to work with Stan Bender to insure that we receive proper credit for our co-sponsorship.

Details of this new program are indicated on the enclosed attachments. Incidentally, my role in these programs, in Boy Scout terms, is that of Institutional Representative.

C. F. Soto
Manager
Employee Activities & Liaison

February 9, 1968

THE CINCINNATI ENQUIRER

What's Going On

By George Hahn

Unique Merit Badge Offered Scouts

An opportunity for Boy Scouts and Explorers to obtain a unique merit badge will be offered beginning Tuesday at the new Cincinnati Science Center at Union Terminal.

A five-week Atomic Energy Merit Badge program will be offered from 7:30 to 9 p.m. each Tuesday through March 12. The program is free to all Boy Scouts and Explorers. The program will be coordinated by Dr. L. Keys, of the General Electric Co.

NUCLEAR materials and propulsion operation of the GE Co. will be demonstrated by John Voil, during the five week program. Voil, a lecturer from the Oakridge Associated Universities, is a former high school teacher and holds a master of Science degree from Kent State University.

Boy Scouts and Explorers wishing more information about the free merit badge program may call MARCUS L. McDONALD, Dan Beard Council, Boy Scouts of America, at 961-HB.

The five-week program will be conducted in cooperation with the GE Co., Dan Beard Council, Science Center, Oakridge Associated Universities and the Atomic Energy Commission.

THE INVITATIONS

Plant Cooperates in Developing Atomic Energy Course for Scouts

General Electric Evendale is cooperating with the Atomic Energy Commission and the Cincinnati Science Center to make available a five-week Atomic Energy Merit Badge Course for all qualified Scouts and Explorers in the area.

This will be an accelerated course conducted on five consecutive Tuesday evenings at 7:30 p.m. beginning on Tuesday, February 13. The course will be held at the Cincinnati Science Center in the Union Terminal on Lincoln Park Drive.

The course will be presented by John Voil, exhibit manager for Ohio for the Oak Ridge Associated Universities. It will be coordinated by Dr. L. E. Ridenour and Kenneth Keys of the General Electric Co.

A five-week program will be presented by John Voil, exhibit manager for Ohio for the Oak Ridge Associated Universities. It will be coordinated by Dr. L. Keys, of the General Electric Co.

The course will be presented by John Voil, exhibit manager for Ohio for the Oak Ridge Associated Universities. It will be coordinated by Dr. L. Keys, of the General Electric Co.

The five-week program will be presented by John Voil, exhibit manager for Ohio for the Oak Ridge Associated Universities. It will be coordinated by Dr. L. Keys, of the General Electric Co.
An Overwhelming Response
GE Helps 450 Scouts Earn Merit Badges Through Accelerated Program

GE helps 450 scouts earn merit badges through accelerated program.

General Electric people played an important part in setting up a program which enabled more than 450 Boy Scouts to earn Atomic Energy Merit Badges at an awards program last Friday at Princeton High School.

General Electric cooperated with the Atomic Energy Commission, the Cincinnati Science Center and Oak Ridge Associated Universities to develop the program for Dan Beard Council, Boy Scouts of America.

The awards program climaxed one of the most successful merit badge programs ever conducted in the Dan Beard Council. Organized quickly to adapt to the crowded schedule of John Voltz, exhibit manager for Oak Ridge Associated Universities, who instructed the sessions, the program was conducted on an accelerated basis. Six successive Tuesday night sessions were held, beginning February 13, at the Cincinnati Science Center quarters in the Union Terminal.

More than 600 Scouts registered for the program, and a remarkably high percentage completed it successfully.

Key roles in organizing the program were played by three men from the Nuclear Systems Programs at GE-Evendale. They were: Dr. L. Kenneth Keys, program coordinator; George Pomeroy, administrative advisor, and Robert Rau, science advisor. Together with Marcus McDonald, of the Dan Beard Council, and Robert Knutson, Cincinnati Science Center, they worked with Mr. Voltz in establishing the program and carrying it out.

At Friday's program, at which George M. Hunsinger, manager of Employee Relations for NSP was the master of ceremonies, each of these men was recognized for the part he played in the program.

Brief remarks were made by A. J. Marini, manager, Management Personnel Practices, representing AEG-Evendale; Clarence L. Kari, manager, AEG-Cincinnati Area Office; Wallace W. Hill, industrial relations director, BSA; Basil F. Starkey, Scout executive, Dan Beard Council, and Charles Westheimer, president, Board of Trustees, Cincinnati Science Center.

Courtland Randall, chairman, Information and Exhibits Division, Oak Ridge Associated Universities delivered the principal address, "Your Career and Atomic Energy."

Atomic Energy Merit Badges were presented to the recipients by Lawrence Lewis, president, Dan Beard Council, and the accompanying certificates by Dr. D. J. Ahman, manager of Materials Science and Technology, Nuclear Systems Programs.
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Option A</th>
<th>Option B</th>
<th>Option C</th>
<th>Option D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. What are the colors of the radiation symbol?</td>
<td>Check two.</td>
<td>A. Red or Magenta</td>
<td>B. Black</td>
<td>C. Blue</td>
<td>D. Yellow</td>
</tr>
<tr>
<td>2. The standard radiation symbol may be used to identify</td>
<td>A storage area or a container for radioactive material</td>
<td>B. Radiation hazards</td>
<td>C. Both of the above</td>
<td>D. None of the above</td>
<td></td>
</tr>
<tr>
<td>3. An alpha particle is made of</td>
<td>A. 2 protons and 2 neutrons</td>
<td>B. 1 proton and 3 neutrons</td>
<td>C. 1 neutron and 3 protons</td>
<td>D. 2 protons, 2 neutrons and 2 electrons</td>
<td></td>
</tr>
<tr>
<td>4. An atom is composed of</td>
<td>A. Protons</td>
<td>B. Neutrons</td>
<td>C. Protons and neutrons</td>
<td>D. Protons, neutrons and electrons</td>
<td></td>
</tr>
<tr>
<td>5. The nucleus of most atoms is made of</td>
<td>A. Protons</td>
<td>B. Electrons</td>
<td>C. Protons and neutrons</td>
<td>D. Neutrons</td>
<td></td>
</tr>
<tr>
<td>6. Background radiation may come from</td>
<td>A. Cosmic rays</td>
<td>B. Radioactive material in water or air</td>
<td>C. Stars</td>
<td>D. All of the above</td>
<td></td>
</tr>
<tr>
<td>7. A beta particle is</td>
<td>A. A negatively charged particle</td>
<td>B. A positively charged particle</td>
<td>C. A non-charged particle</td>
<td>D. None of these</td>
<td></td>
</tr>
<tr>
<td>8. A Geiger counter is a device to measure exposure to radiation.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Fallout is radioactive debris from the atmosphere.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Fusion is the splitting of the nuclei of some heavy atoms when hit by neutrons.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Fusion is the joining together of two light nuclei to form a third nucleus with more energy.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. A gamma ray is one of the basic types of nuclear radiation.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13. After one half-life of a radioactive material, 75 percent of the original radioactive atoms will remain.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14. Neutron activation is the process in which a neutron is absorbed by a nucleus making it unstable or radioactive.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15. An isotope of an element will have the same atomic number as the element but a different atomic mass.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16. A nuclear reactor is a nuclear or atomic furnace.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17. A Van de Graaff accelerator may be used as a particle accelerator.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18. X-rays are not a form of radiation.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19. Radioactivity refers to</td>
<td>A. an overactive radio</td>
<td>B. the ability of a nucleus to give off alpha particles, beta particles, and/or gamma rays</td>
<td>C. both of the above</td>
<td>D. None of the above</td>
<td></td>
</tr>
<tr>
<td>20. A unit of measurement of radiation exposure named after Wilhelm Conrad Roentgen is called the roentgen.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21. If an X-ray is produced when a high speed electron hits a metal target.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>22. Electrons revolve around the nucleus like planets around the sun.</td>
<td>A. True</td>
<td>B. False</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23. The inventor of the Cyclotron (particle accelerator) is</td>
<td>A. Neils Bohr</td>
<td>B. Enrico Fermi</td>
<td>C. James Chadwick</td>
<td>D. All of the above</td>
<td></td>
</tr>
<tr>
<td>24. There are about 103 elements. Each time we add 1 proton, we</td>
<td>A. Increase the atomic number</td>
<td>B. Increase the atomic weight</td>
<td>C. Both A and B</td>
<td>D. None of the above</td>
<td></td>
</tr>
<tr>
<td>25. The uranium in a reactor would be found in</td>
<td>A. The core</td>
<td>B. The fuel element</td>
<td>C. Biological shield</td>
<td>D. Control rods</td>
<td></td>
</tr>
<tr>
<td>26. Regulates the rate of fission in a reactor core</td>
<td>A. Control rods</td>
<td>B. Shield</td>
<td>C. Fuel element</td>
<td>D. Turbine</td>
<td></td>
</tr>
<tr>
<td>27. This merit badge is all about</td>
<td>A. Fun and games</td>
<td>B. Nuclear fission and the atomic bomb</td>
<td>C. Hair standing on end</td>
<td>D. Energy</td>
<td></td>
</tr>
<tr>
<td>28. A critical mass is</td>
<td>A. The number of radioactive atoms necessary to keep a chain reaction going</td>
<td>B. The maximum mass one can carry</td>
<td>C. Too many boys to fit in the auditorium</td>
<td>D. None of the above</td>
<td></td>
</tr>
<tr>
<td>29. Tritium, an isotope of hydrogen, has</td>
<td>A. One proton</td>
<td>B. Two neutrons</td>
<td>C. One electron</td>
<td>D. All of the above</td>
<td></td>
</tr>
<tr>
<td>30. A significant dose of gamma radiation to seeds</td>
<td>A. Causes a noticeable change in growth</td>
<td>B. Causes no change in growth</td>
<td>C. Prevents growth</td>
<td>D. Makes seeds radioactive</td>
<td></td>
</tr>
<tr>
<td>31. A cluster counter</td>
<td>A. Counts clusters</td>
<td>B. Detects alpha, beta, or gamma radiation</td>
<td>C. Controls a nuclear reactor</td>
<td>D. Is hard to start on cold mornings</td>
<td></td>
</tr>
</tbody>
</table>
Atomic Energy Merit Badges Awarded To 450 Boy Scouts

The largest single awarding of merit badges in Boy Scout history occurred Friday night at Princeton High School here. Atomic Energy Merit Badges were awarded to 450 scouts in a single ceremony. The ceremonies were preceded by a dinner at Imperial House. In attendance were high ranking national Boy Scout officials and representatives of the Atomic Energy Commission.

The course leading to the relatively new merit badge was directed by employees of General Electric in Evendale.

In a message to the assembled scouts, Dr. Glenn E. Seaborg, chairman of the AEC, said, "I recall that it was my privilege to take part in the presentation of the first atomic energy badges in New York in November, 1943.

"Since then, more than 8000 scouts have qualified for this honor," he said.

In order to qualify for the honor, a Boy Scout must master the fundamentals of atomic energy.

"I am hopeful any young man who has shown this much interest," Seaborg said, "will seriously consider the challenge of a career in nuclear science."

450 BOY SCOUTS from Dan Beard Council, including many from the Mill Creek Valley area, will receive the first Merit Badges to be awarded in Atomic Energy tomorrow night, Friday, during ceremonies to be held at Princeton High School. The 450-strong class will be the largest merit badge class in the history of the Boy Scouts of America.

Shown here are, left to right: Marcus McDonald of Dan Beard Council, John Volz of the Atomic Energy Commission; Sr. L. K. Keys, Nuclear System Program of the General Electric Co. in Evendale, and two of the scouts who will be honored, Robert Rau and George Pomerey, also of GE, revealed that eight of the boys made perfect scores on their examinations.
Clarence Karl, Atomic Energy Commission Area Manager, Presents the Telegram from AEC Chairman Dr. Glenn T. Seaborg

SEABORG TELEGRAM

A MESSAGE FROM DR. GLENN T. SEABORG, CHAIRMAN OF UNITED STATES ATOMIC ENERGY COMMISSION

WE AT THE ATOMIC ENERGY COMMISSION WERE DELIGHTED TO LEARN THAT 462 YOUNG SCOUTS FROM THE HAC BEARD COUNCIL OF GREATER CINCINNATI HAVE QUALIFIED FOR AN ATOMIC ENERGY MERIT BADGE. AS A FORMER SCOUT AND A GRATEFUL GRADUATE OF THE MERIT BADGE PROGRAM, I SHOULD LIKE TO PASS ALONG MY PERSONAL CONGRATULATIONS.

I RECALL THAT IT WAS MY PRIVILEGE TO TAKE PART IN THE PRESENTATION OF THE FIRST ATOMIC ENERGY BADGES IN NEW YORK IN NOVEMBER, 1963. SINCE THEN, MORE THAN 8000 SCOUTS HAVE QUALIFIED FOR THIS HONOR.

I SHOULD ALSO LIKE TO CONGRATULATE, ON BEHALF OF THE COMMISSION, THOSE PERSONS AND ORGANIZATIONS RESPONSIBLE FOR ASSEMBLING AND INSTRUCTING THE SCOUTS GATHERED TONIGHT TO RECEIVE THEIR AWARD. INCLUDED ARE "THIS ATOMIC WORLD", THE HIGH SCHOOL LECTURE DEMONSTRATION PROGRAM OPERATED FOR AEC BY OAK RIDGE ASSOCIATED UNIVERSITIES; THE CINCINNATI SCIENCE CENTER, GENERAL ELECTRIC COMPANY AND, OF COURSE, THE LEADERS OF THE BOY SCOUTS OF AMERICA AND OUR FRIENDS IN THE ATOMIC ENERGY COMMISSION'S CINCINNATI AREA OFFICE AND THE OAK RIDGE OPERATIONS OFFICE.

TO QUALIFY FOR THIS DISTINCTIVE HONOR, A SCOUT MUST MASTER THE FUNDAMENTALS OF ATOMIC ENERGY. I AM HOPEFUL ANY YOUNG MAN WHO HAS SHOWN THIS MUCH INTEREST WILL SERIOUSLY CONSIDER THE CHALLENGE OF A CAREER IN NUCLEAR SCIENCE. BUT WHETHER OR NOT HE Chooses THIS FIELD, I AM CERTAIN KNOWLEDGE OF THE BASIC CONCEPTS OF NUCLEAR ENERGY WILL MAKE HIM A BETTER ADULT CITIZEN OF THIS INCREASINGLY SCIENTIFIC AGE.

BOY SCOUTS OF AMERICA

FOR IMMEDIATE RELEASE

Telephone No. - Area Code 615
483-8611 - Extension 3-4231

AEC AND OAK RIDGE ASSOCIATED UNIVERSITIES ASSIST

SOME 450 SCOUTS IN ATOMIC ENERGY MERIT BADGE PROGRAM

The Atomic Energy Commission and its contractor, Oak Ridge Associated Universities, had major roles in conducting a unique Boy Scout program in which some 450 Cincinnati area Scouts were able to earn the Atomic Energy Merit Badge.

The youngsters, said by Scout officials to be the largest group ever to receive a single merit badge at one time, will be honored at an awards ceremony Friday night (April 19) in Cincinnati. More than 1,000 Scouts, parents, Scout leaders and other officials are expected to attend.

The AEC and ORAU were instrumental in enabling these youngsters to obtain this relatively new merit badge through a program of cooperation with the General Electric Company in Cincinnati -- another AEC contractor -- the Cincinnati Science Center, and the Boy Scouts of America.

Courtland N. Randall, Chairman of the Information and Exhibits Division of ORAU, will deliver the principal address on the subject of "Your Career and Atomic Energy." A highlight of the ceremony will be the presentation of a special note of congratulations to the Scouts from AEC Chairman Dr. Glenn T. Seaborg.

Credited with the idea of training such a large group of boys on the fundamentals and applications of atomic energy is John Volz, an Exhibits Manager for ORAU, assigned to Atomic Energy Commission exhibits work at the site of ORAU.

Volz, several GE employees, and Cincinnati Scout leaders gave many hours of their own personal time during five consecutive Tuesday evenings in February and March to present the merit badge program before an average attendance of some 500 youngsters each session.

Following the official Boy Scout handbook and a similar AEC publication, the group studied such subjects as radiation, isotopes, nuclear reactors and the structure of atoms. Each boy constructed models of electroscopes (radiation detectors) and nuclear reactors. The group also studied the effects of radiation on seeds which had been irradiated by GE in their Cincinnati facilities.

Note to Editors: Similar information is being issued simultaneously by Oak Ridge Associated Universities, Oak Ridge, Tennessee.

April 29, 1968

Mr. George W. Podlou
450 Candy Pass
Cincinnati, Ohio 45215

Hello George:

We're back now after several additional days in the field.

One of our first priorities is to express CONGRATULATIONS to you and related G.E. personnel for the excellent, results getting Atomic Energy Merit Badge Project. This was of typical G.E. quality. Right Right

We look forward to the story about this project and the others which preceded it for use in SCOUTING.

You are wonderful host:

Would you please advise the names and addresses of others whom you think might merit a letter from us about this success? Would you also please tell us the name of the G.E. official and his title with whom we had the privilege of visiting following the tour. He had some very pertinent observations about the significance of Scouting for business and industry.

Best wishes,

Cordially,

Wallace HILL
Director
Industrial Relationships

Boy Scouts of America
New Brunswick, New Jersey 08903-2401 249-6100

mg 150 Basill Fa. Storby
Scout Executive
Boy Scout Council #638
OPENING CEREMONY

MERIT BADGE PRESENTATION

SPEECHES
Mr. George Fowroy
General Electric Corporation
Evanaile, Ohio

Dear George,

Now that the Atomic Energy Merit Badge Program has come to a successful conclusion, we can sit back, draw a sigh of relief, and perhaps wonder with a bit of awe at the turn of events that brought all of these scouts together.

This “turn of events” is largely due to the organization you gave to the early stages of this program along with the advertising and promotional backing of General Electric which you arranged.

I particularly appreciate your (and your secretary’s) willingness to interrupt a busy schedule at any time to discuss and resolve any problems that developed in the program. A special thanks for all the work you went to after I left in arranging the graduation.

It has been a pleasure to work with you ever the last several months on this program. Thank you for your time and cooperation.

Yours truly,

[Signature]

John G. York
Exhibit Manager
Oak Ridge Assoc. Universities

June 6, 1968

POST 303’s 1st EAGLE SCOUT AWARD CEREMONY
Community Activities Award

This award recognizes distinctively outstanding work or contribution in service to the community.

Winner

The team of Leonard Landau, CFM56-5 Project manager, and Roger Pfalzgraf, Configuration Management Systems manager, have served as chairman and advisor, respectively, for the AEBG-sponsored Scouting Explorer Post 303 since 1978.

Their sustained commitment has provided hundreds of high school boys and girls with the opportunity to learn at the Evendale Plant about technical careers in engineering, drafting, and manufacturing, and has resulted in many of these talented young people pursuing such career fields. This effort is an effective example of continued dedicated service to our community.

Len Landau  Roger Pfalzgraf

Evendale  February 17, 1987

EXPLORE POST
303
1987 General Electric
LASER CENTER TOUR

Evendale Engineers' Day  February 17, 1987
GE plant explored by Scouts
Teens, young adults introduced to world of technology

BY MARY KAY GILBERT
Enquirer Contributor

General Electric's Evendale plant, the nation's leader in the design and development of aircraft engines, is by necessity a place of badges, tight security and closely watched gates. It is off-limits to the casual passerby or tourist. Select teenagers and young adults, however, penetrate the security every Wednesday night. They are members of Explorer Scout Post 303, "the oldest and largest post in the state, possibly in the country," according to Lenny Landau, post chairman and manager of the CFM56-5 Program at GE.

Post 303, now in its 30th year, is a career-oriented post, that introduces male and female students, ages 15 through 21, to the world of high technology. "We try to help kids make sound career judgments," explained program chairman Roger Pfalzgraf, manager of configuration management systems at GE. "We give them a flavor of the requirements they need to pursue a career in a technical area."

Varied subject matter
Each week the Explorers divide into groups and visit different areas of the plant.
On a recent Wednesday, they marveled at the ability of the scanning electron microscope to magnify common pepper 200 times. They listened attentively as technician Ivan Miller explained how the microscope is used in working with alloys.
A favorite part of the evening for many of the students was a visit to the composites lab, where they learned how composites improve GE engines. Photos of the new B2 Stealth Bomber prompted questions on speed, predictability and the process of its development.

To help the program and recruit volunteers from the GE staff, GE pays for the program and several hundred GE employees volunteer their time and expertise.

The students come from throughout Greater Cincinnati. For some, the program is so fascinating that they return the next year. John Wagner, 18, of Price Hill, is attending for his third year. "It's different every year," he said.
The program has helped Wagner choose a career. "I knew I liked computers and electronics," he said. "After seeing what electrical engineers do, I've decided that's what I want to be."

Eddie Hawkins, 16, of College Hill, was so tired from a day of school followed by work at a drug store that he had trouble staying awake during a videotape. Yet he considers it important to be in the program. He wants to be an engineer, and GE is giving him the chance to find out what an engineer does.
"I've learned how an engine works," Hawkins said. "And... I've learned how everyone works together; one part can't function without the other."

Sophomore Mike Thierauf of Loveland has a few years before he has to make a decision about a career. He is taking in all the information, all the expertise, and carefully considering if this is the field for him.
Linda Thiemann, 16, of Deer Park, and her friend, Colleen Smith, of West Chester, are interested in careers in a high-tech industry. "I'd recommend everyone have the opportunity to learn about the technical fields through such an experience," Thiemann said.
Program helps young minds explore future

Great notions slip into the minds of teens and suddenly their sights are set on the pursuit of the future. It’s a risky gamble, deciding early on what to do for the rest of your life. A program at GE Aircraft Engines Evendale called Explorer Post 303 alleviates some of the guesswork.

Explorer Post 303 is a Boy Scouts of America-sanctioned program that allows high school and college age youth (boys and girls) the opportunity to explore the high technology future of industry.

Lenny Landau, CFM International director of Product Support & Operational Planning and Rolf Bick, program manager, CF6-80 Tooling/Support Equipment, are local GE co-chairmen of the Explorer group. Landau says the 14-week program which begins in November gives young men and women the opportunity to sample the fare of life without deciding on a permanent main course.

“You know a lot of youngsters don’t even consider careers as an engineer or scientist because they’ve never been exposed to what people do in technical fields,” Landau says. “The Explorer program at GE Aircraft Engines provides an opportunity to see what people do in a variety of technical fields. It also provides insight into the background and training that’s necessary.”

Landau also says that the program, now in its 33rd year and the oldest and largest one in the state, has the advantage of offering young people insight into specific careers and into the aircraft engine business at the same time.

Help is needed from employees interested in serving as advisors. These are the people who come every week and keep the group organized and pointed in the right direction. “As an advisor you’ll find out what’s going on all over the plant,” says Landau. “You could be here 10 years and not see some of the things you might if you’re involved in the Explorer program.”

For those employees with youngsters or friends interested in the program, a kickoff meeting will be held on November 14 at 7 p.m. in the Bldg. 800 auditorium. A fee of $9.20 is charged to cover Explorer registration. All other costs are paid by Aircraft Engines.

Employees interested in serving as advisors or who want to make reservations for the meeting should contact Lesa Miller at 552-3420.

Many strong, dedicated Elves contributed to the success of Explorer Post 303 (you will no doubt recognize many of the faces in the photographs on the following pages). They are applauded for their dedication and commitment; their real reward has come, however, in them being able to see how their efforts have impacted the lives of America’s future leaders.

The Post meets weekly for approximately 14 weeks. Each week, a different technical career is explored within GE Aircraft Engines, through tours, hands on experiences, simulated technical activities and other planned activities.

The objective of the Explorer Program today is to show young adults the wide range of technical careers available in a business like GE Aircraft Engines.

Each year the Post typically signs up 80+ members (boys and girls) from 30+ different schools in the Greater Cincinnati area. We have selected the year 1989-1990 with accompanying photographs to show some of the activities from the various program nights.
### ROSTER 1989-1990

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### 1989-1990 PROGRAM SCHEDULE

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PROGRAM CANCELLATION DUE TO HEATHER (OR OTHER REASONS) WILL BE ANNOUNCED ON WIGC-AK.

Sponsored by GE AIRCRAFT ENGINES
Engineering, What Do Engineers Do?

December 14, 1989
Computer Graphics/Being a Draftsman

January 18, 1990
March 15, 1990

Jet Engine Museum & Program Review
Randolph and General Electric to Receive Good Scout Awards

The annual Good Scout Award Luncheon on Thursday, May 14, 1992 will honor G.E. AIRCRAFT ENGINES with the Good Scout Award for Corporate Leadership and JACKSON RANDOLPH with the award for Individual Achievement. BRIAN ROWE, Senior Vice President will be accepting for General Electric.

Luncheon Chairman CLEMENT BUENGER believes the honorees perfectly fit the Good Scout Award requirements: “Honorees are to be an individual and business that has provided outstanding leadership to the community for many years. Leadership must be expressed in many worthwhile causes developing deep respect and esteem by the community. Jack (Randolph) and G.E. exceeded all the requirements.”

The luncheon will be a featured highlight of the National Boy Scout Meeting being held here May 13-15. JOHN CLENDENIN, Chairman and CEO of BELL So llTH will be the featured speaker.

Proceeds from the Good Scout Award Luncheon provide significant support to the year-round programs of Dan Beard Council. If you are interested in attending call BUENGER at 579-5382 or the Scout Center at 961-2336.

Boy Scouts of America

Annual Meeting
May 13-15, 1992
Cincinnati, Ohio
Good Scout Award Luncheon

Honoring
GE Aircraft Engines
and
Jackson H. Randolph

Thursday, May 14, 1992
The Westin Hotel
11:30 a.m.

Luncheon Chairman
Clement L. Buenger
Fifth Third Bancorp Chairman
GOOD SCOUT AWARDS
When GE Aircraft Engines' Explorer Post 303 kicks off its 1992-93 agenda next month, it will mark three and one-half decades of service to this region's next generation of engineers. At 35, GE's is the oldest Explorer Post in Greater Cincinnati and one of the oldest in the nation. "GE's is our largest and most talked-about Explorer Post," says Tim Koenig, the Boy Scout Council's Exploring director.

The Explorers is a non-uniformed career development program sanctioned by the Boy Scouts of America. Each post focuses on a different career. Hospitals, police and fire departments, Playhouse in the Park and numerous corporations sponsor Explorer programs each year, affording students hands-on experience in their career field of choice. Young men and women ages 15 to 21 (age 14 if they are in the ninth grade) are invited to join any of the nearly 100 posts in the Greater Cincinnati area.

Focusing on technical careers
Sponsored by the Elfum Society, Explorer Post 303 is a technical career-oriented post established to introduce explorers to various engineering disciplines. This year's 13-week program will run Thursday evenings, 7 to 9 p.m., from mid-November to late March. Activities include plant tours, speakers and videos, hands-on experience as well as special projects to aid explorers in understanding the wide variety of career paths that are possible with an engineering education.

"Often students do not even consider careers as engineers or scientists because they've never been exposed to what people do, day to day, in these technical fields," says Lenny Landau, CFMI Operational Planning director and co-chairman of Post 303. "The Explorer program at GE provides an opportunity to learn about a variety of technical fields, providing insight into specific education and training needed along the way. The younger the students get involved, the more help the program will be to them in their career decision making."

GE people make it work
Rolf Bick, Customer Support Program manager in the Commercial Product Support Department and Post 303 co-chairman, says hundreds of GE volunteer advisors are committed to continuing this successful program. "Employees are encouraged to become advisors, lending their time and expertise to talk one-on-one with the explorers and demonstrate what they do. This year, among other things, we will cover drafting, quality control, process planning, advanced manufacturing concepts and materials technology, as well as design and development engineering," says Bick.

Aircraft Engines' Larry Meyer, photomechanic engineer, was a member of Post 303 from 1977 to 1979. Meyer credits his Explorer experience for his decision to pursue an engineering career. "Through the post, I learned about GE's apprentice program. I applied and was accepted. Now, I've worked my way through night school at the Ohio College of Applied Science and have my bachelor's degree in mechanical engineering technology."

Orientation meeting
An orientation session will be held on Thursday, Nov. 12, from 7 to 8 p.m. in the Bldg. 800 auditorium. The Post's 1992-93 agenda will be discussed, and the Explorer's Tim Koenig will be on hand. Reservations are required and can be made by calling Rolf Bick at 552-2426. Due to limited seating, each student is asked to bring just one parent. A fee of $9.20 is charged to cover registration.

GE employees interested in volunteering their time to the post should also contact Bick for more information.

Explorer Post 303 introduces young men and women to various engineering disciplines.
Dear Mr. Buck,

I am writing to thank the Explorers Post 363 at GE Aircraft Engines for offering this program to our students. My daughter, Jane Bennett, participated in the program last year. She enjoyed it and I think it sparked her interest in engineering as a career. I wanted to let you know that, along with her good grades and enthusiasm for learning, this program was instrumental in getting her chosen as one of fifty I focus participants to attend in the Ohio Space Academy’s trip to Kennedy this past August. She received an all-expense-paid trip to visit the Kennedy Space Center Select Space Beach and the TVA and NASA Magnet Schools. I thought you’d like to know that your program is accomplishing the goals you set and that it is something appreciated in the community. Thank you again for all your time and effort in establishing this program and making sure it was successful. Also, I extend my gratitude to all the other guides involved in it.

Sincerely,

[Signature]

Jane Bennett