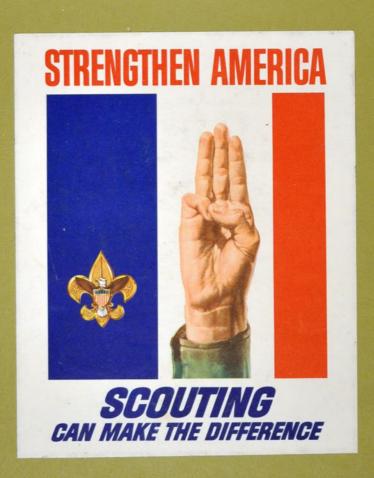
EXPLORER POST 303



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.

1958 POST 303 CHARTER

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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 attemped involved construction and use of geiger counters, cloud chambers, electroscopes, and isotope models. This program resulted in the awarding at a graduation ceremony in May 1964 of 40 Atomic Energy Merit Badges.





619511 10511 ATOMIC ENERGY





NEW MERIT BADGE REQUIREMENTS

(Printed originally in October 1963 issue of SCOUTING Magazine)

Scientific-minded Scouts and Explorers will velcome new merit badges in Atomic Dietgy and Electronics. The requirements for both badges are in-cluded in the 1904 hos Scout Requirements booklet, being released this fall. Pamphlets will be available early next year, but where counselors are available, the badges may be carned immediately.

- he able to tell your merit hadge counselor in your own words the meaning of the following words or terms: Alpha particle, atom, background radiation, beta particle, Curie, fallows, fission, fusion, gamma ray, half-life, dosinger, or the state of the st
- Construct three dimensional models of the atoms of the three factopes of hydrogen, showing neutrons, protons, and electrons. Use these models to explain to your counselor the difference between atomic weight and atomic number.
- Braw a diagram showing how nuclear fission happens and label the fissionable material, all neutrons, and the fission products. Braw a second picture showing how a chain reaction could be started and how it could be stopped. Show the drawings to your merit hadge consection and he prepared to demonstrate using simple material what is meant by a "critical mean" of fissionable material.
- he able to tell your counselor who five of the following people were and emplain what each of the five discovered about atomic energy, so their reactions, or realizion energy, so their timester exections, or realizion for the five energy en
- Draw the standard radiation hazard symbol in the proper colors and explain in your own words, to the satisfaction of your

counselor, where the symbol should be used and when it should not he used. Be able to tell your counselor why and how people must use radiation or radioactive materials carefully.

- Do any three of the following:

 (a) Build an electroscope using simple material. Show your
 conneator how it works. Fut a radiation source inside
 the electroscope and explain to your counselor any
 difference observed.
- (b) Make a simple gaiger counter and tell your counselor which parts are the detector, the amplifier, and the indicator. Tell your counselor which type of related the counter can detect and how many counts per nimite of what radiation you have detected in your home with the gaiger counter.
- (c) Build a model of a nuclear reactor shawing the nuclear fuel, the control rods, the reduction shielding, the nucleator, and any conding materials. Explain, to the satisfaction of your counselor, how a nuclear reactor could be used to transform nuclear energy into electri-cal energy or to make things radinactive.
- (d) Using a gaigar counter (that you have built or horrowed and a radiation source, show your merit hedge counted now the counts per minute change as the radiation source gats closer to the detector. Flace at least three different kinds of material between the source and the detector and explain to your counseler 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 lituatrating the principles of asterading-raphy and radingraphy and show the results to your counsaior. Explain it is your own words, to the satis-faction of your consolors, what happened to the film and how someone could use this technique in medicine research or industry.
- (f) Using a garger counter (that you have built or horrowed) find a radiation source that your earlt hadge commenter has hidden under a covering. Repeat the separations which your counselor for at least three other locations under the cover end draw on a map (representing the cover) the movement and locations of the source. Explain in your your words, to the astification of your commency, how semance could use this technique in medicine research, agriculture, or industry.
- (g) Arrange, with the assistance of your merit badge co selor, to visit a dentist, physician, veterinarian,

- 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 floor plan to your commentor and he prepared to discuss with him the radiation hexards from the x-ray equipment.
- (h) Hake a cloud chamber, using simple material. Show your merit hadge counselor how the chamber can be used to see the tracks caused by radiation and explain in your own words, to his satisfaction, what is happening.
- Arrange, with the assistance of your merit badge counselor, to visit an industrial plant or research laboratory where radioisotopes are being used. Explainly drawing a simple diagram, how and why the radioisotope is used.
- (j) Obtain samples of irradiated seeds and plant them, with a control group of montradiated seeds of the same type. The same of the naturity under the same conditions. Observe also control to the proposed to discuss the effects of irradiation of seeds with your commession.

SUGGESTED PROCEDURES FOR ATOMIC ENERGY MERIT BADGE QUALIFICATION

- Candidate first scans all material be can use to satisfy the hadge requirements. Then he may ask his Scootmaster or Advisor to provide his hadge applications.
- Dean supplies names and telephone numbers of counselors in candidate's area. Candidate obtains an interview with counselor at time and place convenient to counselor.
- At initial interview, communion werifies that candidate has packet, home where to obtain additional information, and has developed logical plan for combiting the requirements of the higher. Defers interview ends communion that the communication of the contract should have obtained fairly accurate ingeression of can-didate's motivationing of general actions, so that he can quick buy then additional reading and insureds those Requirement to projects their worlds to bey's understanding, creamores and needs.







1964

POST 303 CHARTER

COMMITTEE ROSTER

SCOUT ROSTER

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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&PQ 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 490. Back row: Stu Leighton, Buck 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

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. Baughman, Chairman - Cincinnati Chapter

American Society for Metals

Mr. Basil Starkey, Executive Officer - Dan Beard Council
Boy Scouts of America

8:00 p.m.** MAIN PROGRAM - INTRODUCTIONS

Mr. George Hunsinger - 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

M. Eugene Merchant was born in New England. After completing his undergraduate education in mechanical engineering at the University of Ver-mont, he joined the Cincinnati Milling Machine Company and received his Doctor of Science degree at the Univer-sity 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 Cin-cinnati, and in 1959 he received the Richards Memorial Award of the Ameri-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 las a scout, cubmaster, 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 committeenon 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.



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HONORED GUESTS

Dr. Stuart Fletcher, Vice President Technical Director Latrobe 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. Putnam, 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

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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

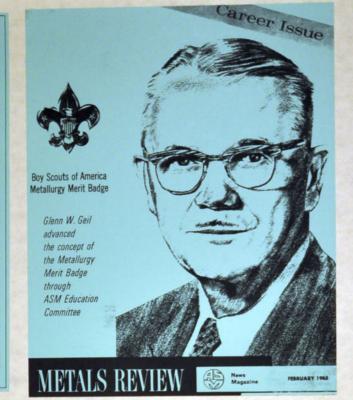
MAY 13, 1965 - UC GRADUATE SEMINAR Speaker: Dr. O. W. Nester Subject: Laser Concepts, Materials and Applications

*Dinner-\$3.00 - Children \$2.00 - Optional-Reservations Required - CALL MR. LYNN ARNOLD (242-1111) BY MARCH 29, 1965.
Please indicate choice of lobster tail or beef tenderloin.

Glenn W. Gell . . .

When Glenn W. Gell served the ASM Education Com-ities in 1930-82 he was ap-sinted chairman of a subcom-ities on scouting. Other mem-ers of the subcommittee were unit Antercom. I. Edward

tional Capital Area Council, BSA,
Since 1996, Gleen has been employed in the Metallurgy Division of the National Bureau of Standards, Washington, D. C. His maior field of study has been the effects of temperature, both elevated and substances of the study of the st



Requirements for the Boy Scout Merit Badge in Metallurgy



What It Takes To Be a Metallurgist and Engineer

By Kenneth B. Hobbs*

Prerequisite Factors

He Has a High IQ

He Works Diligently



it takes to be a metallurgist or an engineer are:
He will normally, be in the upper that of his class when the tended of his class was to that the control of the control of the abstract takes.
He is interested in a wide range of subjects, although he may have one or two special interests, one or two special interests, a great cleak of "drilling," He understands and uses a large number of words.
He wides to know "suby", in addi-tion to "bart" and observant.
He remembers quickly and easily. His span of attention is relatively long.









April 30, 1965

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

Dear Dr. Merchant:



My greetings to you across the years and miles between the Region 10 Cance Dase 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 SCCUTING 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 Yum Yum Portages. (There was a folk-tale that several crews found Yum Yum Portage and came back, but I never knew for sure who it was till now.)

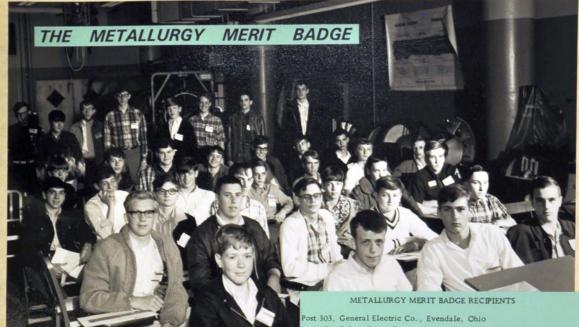
You have directed your remarks largely to the Scouts and Explorers. This would need to be directed to the adult readers of SCOUTING magazine. Now, the \$64,000 question—could you find the time in between your cance trips to put together an article to include this outlook you have on Scouting and the 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, DOY SCOUTS OF AMERICA Education Division

Oren R. Felton
Managing Editor
SCOUTING Magazine

Hort lear will be fruit is







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. Strother National Council - Box Secure of Assets



Dr. Smart Fleicher

Post 303, General Electric Co., Evendale, Ohio Alan Baker, James Bernat, Robert Berning, Henry Eggerding, Richard Jordan, Frank Riggs, David Ringshauser, William Uffman

Troop 290, St. James Church, Wyoming, Ohio Gregory Calkins, Roderick Calkins, Peter Joseph

Troop 482, Friendship Methodist Church, Wyoming, Ohio Paul Pomeroy, Jon Sells

Troop 544, Grace Lutheran Church, Cincinnati, Ohio William Ringshauser

Troop 98, Montfort Heights Community Methodist Church, Montfort Hts. O. Duff Kindt, Gary Momberg

Post 27, Assumption Church, Mt. Healthy, Ohio James Greis, Mike Harbison, Lawrence Hartmann, Thomas Russell

Post 393, St. Margaret Mary Church, N. College Hill, O. James Hartke, David Weingartner

Post 433, American Legion Post 531, Greenhills, O.
Richard Burns, Kenneth Hausner, Thomas Pence, David Reed,
Donn Storch

Troop 270, Mt. Healthy Methodist Church, Mt. Healthy, O. Robert Rowlette

Troop 433, Greenhills Kiwanis Club, Greenhills, O. Elliot Chase, Gary Green

Troop 545, St. Paul United Church of Christ, N. College Hill, O. Kenneth Faller, Fred Hertenstein, Robert Moody, Gary Stegman

Troop 833, Greenhills Community Church, Greenhills, O. James McGhee, Mike Steele, Gary Uhlenbrock, Richard Uhlenbrock

Troop I, Steubenville Rotary Club, Steubenville, O.
Ronald Baker, Joseph Bruzzese, Robert Chuba, Douglas Curry,
Jack Fournier, Craig Fraser, Jimmy Keenan Richard Lashley,
James Marbais, Richard Marbais, James Mavromatis,
John Molesky, Gary Nichols, Danny Skipper, Barry Spencer,
Eddie Spencer, Thomas Wilson, Robert Woods

Troop 2, Blessed Sacrament Church, Steubenville, O. Gary Arend, James French, David Garvey, David Hogan, Robert Lanscult, David Schulte, Gerald Schulte

Troop 86, Brentwood Methodist Church, Steubenville, O. Robert Caputo, James Evans, George King, Robert Mottice, Frank Ross, Barry Ross, Robert Walter, Douglas Walter

Troop 448, St. Martin's Episcopal Church, Chagrin Falls, Ohio Tom Gerken, Ted Lewtas

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,

Manay C Xem-MJohn 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 TYWNAN

Member

Ted Williams Sports Advisory Staff

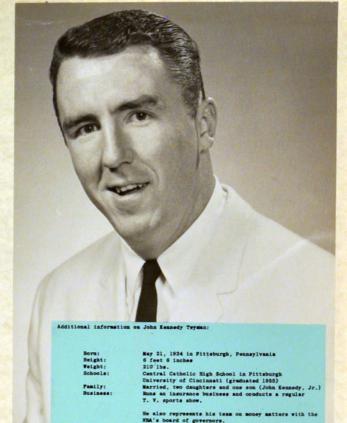
Jack Twyman of the Cincianati Royals is in his 5th season with the
National Basketball Association. For eight years in a row he has been one of pro
basketball's star players and top scorers. He is the oldest Royals' veteran in
point of service and the only member of the original Rochester team still 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-hand jumper and two-handed set. Boston Ceitic 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 over a span of seven seasons and 523 pro games. Last year he was runner-up to Wilt Chamberlain as the NMA 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 2,338 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, 1980. He made the All-MMA 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.





1955-57:



Rochester Royals, NBA pro team Cincinnati Royals.

JACK TWYMAN Ted Williams Sports Advisory Staff

- - -

Jack Twyman never picked up a baskethail until he entered Pittsburgh's Central Catholic High School as a freshman. He came into his own in his senior year, playing both as a forward or center and averaged 20 points. Freshmen were eligible to play varsity ball when Twyman entered the University of Cincinnati and he made the team though seldom played. Due to his autwardness he was nickmaned "Tootsie." He got consistently better, averaging 15.1 points a game as a sophomore, 21.8 as a junior and 24.6 as a senior. His last year he was the lith highest scorer in major college baskethall.

Aside from being a great bankethell player, Jack Teyman is a great individual. His selfless devotion to his teammate, Maurice Stokes, is well-known. On January 30, 1962, the Philadelphia Sports Writers Association cited Stokes and Teyman as the most courageous athletes of 1961.

Since March 15, 1958, when Stokes was stricken by a paralyzing brain disease, Twyman has dedicated himself to Maurice's rehabilitation. He had himself appointed Stokes' legal guardian, has raised thousands of dollars to pay for the costly care Stokes has required and has been continually at his side. Twyman is in every sense of the word a sportsman.

SPACE EXPLORATION MERIT BADGE

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.

1966 POST 303 CHARTER

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SPACE EXPLORATION 1966 PAMPHLET

- 1. Present a report in at least 500 words, describing the history and development of space explora-
 - 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, weight-lessness, 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 space probe might be launched from such spacecraft. Explain how a satellite remains in orbit.
- 5. Do ONE of the following three projecta:
- (a) Describe a series of six conditioning exercises that you might use to prepare yourself for space exploration, explaining their purpose.

cc: E. C. Fo ter G. N. Pomeroy R. C. Rau W.F. Zimmerman T. L. Lillis

G. L. Wesling L. T. Berning

M. I. Frost, Jr. R. ... Brooks

D. o. Engleby F. W. Tippets R. N. Edwards

N. P. Jeffries

With the close of the scouting activities for the year, I would like to thank each of you for your help in the planning and implementation of the program leading to the Space Exploration merit badge and for your support in the other activities undertaken by Post 303. On Wednesday, May 25, at a recognition dinner 36 boys received their merit bad ics. Your efforts in helping accomplish this objective are appreciated,

HEN/uc



610595 18595 SPACE EXPLORA August 12, 1966

Mr. M. A. Zipkin, Manager Space Power & Propulsion Section

This letter is written in behalf of the General Electric Explorer Scout Committee to thank you for a very excellent program on space and space propulsion during the past year. The General Electric Company, through the Space Power & Propulsion Section's effort on this program, has made a significant contribution to education and knowledge of the youth of our community.

As you may know, the Space Exploration Merit Badge was used as a guide with considerable additional material presented to provide a well rounded course. When fully developed, it could have been equivalent to a first year college course in space technology. One Scout's reaction was 'Ose, I didn't realize that space exploration could be so interesting and so complicated.'

The interest quality of the program was affirmed by the high attendance at the meetings and the fact that 36 boys completed the ten month program and received the Space Exploration Merit Badge. Mr. H. E. Hickols of your staff is to be particularly commended for the extended time and complete dedication he applied to make the General Electric Post year an outstanding success.

Very truly yours,

O. W. Pomeroy, Chairman Post 303 Committee



GE AIRCRAFT ENGINE

GENERAL @ ELECTRIC

EVENDALE PLANT CINCINNATI, ORIO, 45215

Explorer Scout Post



4915

W. Berliner E.C. Foster G.W. Pomeroy J.J. Wendelken

August 10, 1966

1. H. Anderson, Acting Manager Employee Relations - Engineering & Projects - Evendale

Reference our meeting this morning with Mr. George Pomeroy, Nuclear Materials and Propulsion Operation, concerning the Explorer Scout Post which is sponsored by G. E. Feredale. It is requested that Engineering, FPLD, 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 someowho 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 sectings which are generally held two times a month. This past year the Scout sectings where the ld in the Building 701 lobby from 7 to 9 P.N. on the first and third were held in the Building 701 lobby from 7 to 9 P.N. on the first and third world plan and execute the programs for each seeting. In the case of yould plan and execute the programs for each seeting. In the case of the program of the prog Basic Engine Design
 Controls and Accessories Design
 Engine Installations (physical)
 Engine Enstallations (physical)
 Engine Succe Analysis
 Performance Analysis
 Internal Engine Aerodynamics
 Manufacturing and Manufacturing Engineering

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 Technolog



EVENDALE PLANT
CONCINNATI, OHIO, 45215 SUBJECT



I. H. Anderson August 10, 1966 Page -2-

from ann associated, for the most part, with Mr. M. A. Zipkin's organization. The two years prior to that the boys learned about Metallurgy and Nuclear Engines and the boys theaselves have represent a keen interest in the committee and has been been program. Mr. George page, when interest in server as a member and to guide and counsel as willing to continue to

I vould like for you to do some ground work during the next two weeks, while the provided in the provided in the provided in the provided in this revarding work. In terms of chiraling or an who would be interested, in this revarding work, the provided in the provided in

Mr. E. Foster is Scouting Institutional Representative for the Evendale Plant and he vill loop kclosely with the committee, according to Mr. Pomeroy, in Place other than Building 701 might benefit that may be needed. A meeting to take advantage of some of the jet engine training films, manuals, etc.

One reason for recommending two years of activity is that the first year of activity cold for recommending two years of activity is that the first year of activity and the series of th

As a member of the Valley District Boy Scout Organizational Committee, I will be happy to help in any way I can in the reorganization phase of the Explorer

B. C. Tatem, Manager
J93 Systems & Performance
J93 Engineering

GENERAL @ ELECTRIC

FLIGHT PROPULSION DIVISION O 45215

EXPLORER SCOUT COMMITTEE MEETING 3/21/67

MAIL DROP J186 DIAL COMM 8- 332 3209

COPIES: BC Taten

March 22, 1967

Messrs:

E. T. Berning F. E. Eglian R. J. Gerardi D. L. Harshman

G. W. Pomeroy R. C. Rau J. P. Scheuer B. E. Sells

For the meeting on 3/21/67 the following committee members were present; B. Sells, L. Kapor, E. Eglian, E. Berning, G. Pomeroy (part time) and J. Vdoviak. The following major items were discussed and agreed upon.

- Contacts with several school counselors has revealed that preliminary selection of prospective boys by 3/22 is preliminary selection of prospective boys by 3/22 is unrealistic due to the spring vacations. The committee decided to reschedule the kickoff meeting from 3/30 to
- The tentative program schedule and major content was discussed with the following general plan:

April 6 - Kickoff Meeting

April 12 - GE Plant Tour (broad coverage all phases) (6 e April 26 - (a) Orientation/Lecture - GE Service School

(b) Tour - Engine Test Cell - Field Trip (refer to item 3) Fi6M May 6

- (a) Orientation/Lecture - Engine Design (b) Tour - Engine Parts Manufacturing Area May 10

- Field Trip May 20

- (a) Orientation/Lecture - Testing May 24

(b) Tour - Engine Assembly

GENERAL ELECTRIC

EXPLORER SCOUT COMMITTEE MEETING 3/21/67
March 22, 1867
Page 2

MAIL DROP

DIAL COMM 8- 332_

The Field Trip possibilities and assignments for investigation are: (a) GE Proving Ground Peebles - (this to be combined outdoor test observation and overnight) - J. W. Vdoviak test observation and overnight;

(b) Nut Plant Columbus (A-5 airplane or other airplane

amoutacturing) L. Kapor

(c) Wright Pield - B. Sells

(d) Cincinnati Airport - E. Berning

Due to the short remaining time period (from April through May) it was decided that the initial program be aimed it through May) concluded that the initial program be aimed at an orientation/concluded that the Concept of starting in the fail. It was also samer was not desirable,

E. Etilan will investigate a wrekend during the summer with an armed forces reserve unit, (in Kentucky). This would be considered It was agreed that the Tweaday (5:00 to 7:00) PM committee meeting location.

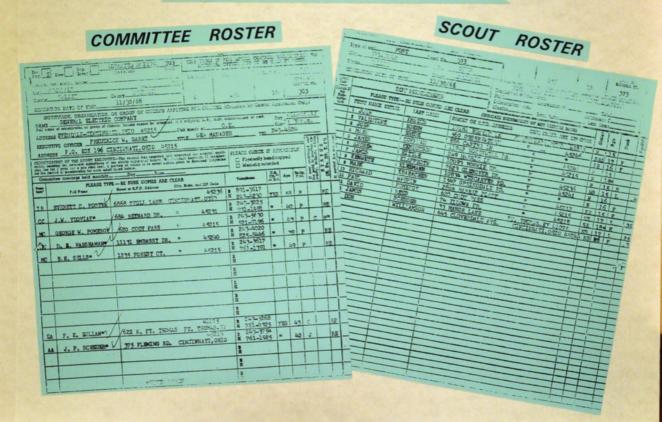
The next meeting will be on 3/2s in the same

J. W. Vdoviak Committee Chairman





1968 POST 303 CHARTER





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

With the concurrence of W. Killough, I have completed arrangements for the Company to join with A.S.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 M.S.P.D. personnel involved include R. Rau, G. Pomeroy and Dr. K. Kays who has been nominated by the Company to serve as a White House Fellow. Principal lecturer for the program will be John Volce of the A.R.C. The theater and work rooms of the new Science Center have been made available through the cooperation of G. Porter and R. Knutson, 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 comperate at little cost with the other

This new program is in addition to the very successful Herit Badge program in Gas Turbines with which our Evendele Plant Explorer Post #303 is now involved. Leaders for this program include E. Eglian, J. Scheuer, B. Sells, J. Vdoviak and others in the Aircraft Technical Division.

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

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.

E. C. Foster, Manager Employee Activities & Liaison

Page 4

February 9, 1968

Plant Cooperates in Developing Atomic Energy Course for Scouts

General Electric Evendale is soperating with the Atomic En-Commission and the Cinerky Commission and the Cin-cinnati Science Center to make available to the Dan Council, Boy Scouts of America, Beard an Atomic Energy Merit Badge an Atomic Energy ment bauge Course for all qualified Scouts and Explorers in the area.

This will be an accelerated course conducted on five consecutive Tuesday evenings at conducted on five conscentive Tuesday evenings at
T.30 p.m., beginning on Tuesday, February 13. The Courses
will be held at the Courses

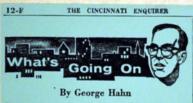
303 is already engaged in day, Peoruary 13, The Courses will be held at the Cincinnati Science Center in the Union Terminal on Lincoln Park Drive

The course will be presented by John Voltz, exhibit manager for Ohio for the Oak Ridge Associated Universities. is being coordinated by Dr. Kenneth Keyes of NMPO and George Pomeroy, neighborhood commissioner for the Boy Scouts and chief counselor and chief counselor for the Atomic Energy Merit Badge program. Robert Rau, who conBadge program for Explorer Post 303, sponsored by the Evendale Plant, a few years ago, is also assisting in course arrange

Members of Post 303 who have not already earned the badge are welcome to participate, but are not expected to dominate 303 is already engaged in a gas

303 is already engaged in turbine project this year. The Atomic Energy Course is being offered at this time primarily because the availability of Mr. Voltz, himself an Eagle Scout, makes it possible to offer Scouts who wish to work for this badge an unusual opportunity to do so in a concentrated five week course

Interested Scouts are invited Interested Scouts are invited to be on hand at the Science Center next Tuesday at 7:30 p.m. All sessions are scheduled for one and one-half hours.



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 Ter-

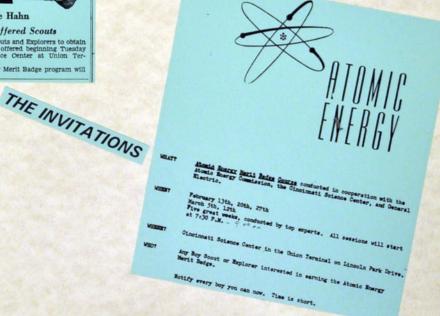
A five-week Atomic Energy Merit Badge program will

A five-week Atomic Ene 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 co-ordinated by Dr. L. K. Keys, of the General Electric Co.

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

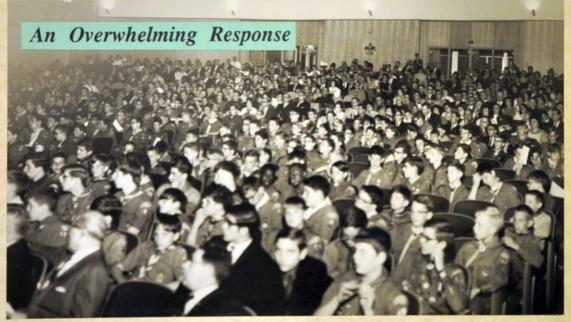
Boy Scouts and Explorers wishing more informa-tion about the free merit badge program may call MARCUS L McDONALD, Dan Beard Council, Boy Scouts of America, at 961-

The five-week program will be conducted in co-operation with the GE Co. Dan Beard Council, Science center, Oak Ridge As-sociated Universities and the Atomic Energy Com-



ATOMIC ENERGY MERIT BADGE PROGRAM









Aircraft Engine Group

EVENDALE

Vol. 2-No. 18

April 29, 1968

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. Karl, manager, AEC Cincinnati Area Office; Wallace W.



SEA OF SCOUTS is typical of the scene at the Cincinnati Science Center where merit badge lectures were given.



PRINCIPAL ROLES in staging the program were played by (1-r): George Pomeroy, administrative advisor; Dr. L. K. Keys, coordinator; John Voltz, lecturer, and Robert Rau, science advisor.



SCOUT EXECUTIVE Basil F. Starkey congratulates boys who successfully completed the merit badge program.



MOUSE TRAPS and Ping Pong balls are used by John Voltz to demonstrate principle of chain reaction.



SONS OF EVENDALE employees who earned merit badges pose with their advisors.

Hill, industrial relations director, BSA; Basil F. Starkey, Scout executive, Dan Beard Council, and Charles Westheimer, president, Board of Trustees, Cincin-

Courtland Randall, chairman, Information and Exhibit 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.

FINAL EXAMINATION FOR THE ATOMIC ENERGY MERIT BADGE Try It & See What You Can Do! Only 8 Scouts In 450 Made A Perfect Score (The answers are on the following page)

FINAL ATOMIC ENERGY ME Tuesday, March	TRIT BADGE EXAM 12, 1968
Jane	Age
School	Grade
Scout Master	Troop
	Fack
Has your scout master attended any of the	me meetings?
Yes O So (0
1. What are the colors of the radiation A. Red or Magenta	symbol? Check two.
B. Black C. Blue	
D. Yellow	
The standard radiation symbol may be A. a storage area or a container for B. radiation hazards	used to identify radioactive material
C. both of the above	
D. none of the shove	
3. An alpha particle is made of A. 2 protons and 2 neutrons B. 1 proton and 3 neutrons C. 1 neutron and 3 protons	
D. 1 proton and 3 neutrons C. 1 neutron and 3 protons	
D. 2 protons, 2 seutrons and 2 elect 4. An atom is composed of	rons
A. protons	
8. neutrons C. protons and neutrons	
D. protons, neutrons and electrons 5. The Bucleus of most atoms is made of	
A. protons D. electrons	
C. protons and neutrons D. neutrons	
6. Background radiation may come from:	
A. commic rays	ate
C. stars D. all of the above	
7. A heta narticle is	THE RESERVE OF THE PERSON NAMED IN
A. a negatively charged particle B. a positively charged particle C. a non-charged particle D. none of these	
C. a non-charged particle D. none of these	
5. A dominator is a device to measure or	posure to radiation.
A. True B. False	
9. Pallout is radioactive debris from th	e stacephere.
A. True B. False	
 Pission is the eplitting of the nucle hit by neutrons. A. True 	i of some beavy atoms when
A. True B. False	
 Pusion is the joining together of two third nucleus plus energy. 	light nuclei to form a
A. True 3. False	
	of nuclear radiation.
A. True D. False	
 After one half-life of a radioactive original radioactive atoms will remai 	material, 75 percent of the
3. False 15. Ionization is a process whereby an at	om may loose an electron
A. True	
15. An isotope of an element will have th	e same atomic number as the
A. True	
3. Tales 16. Seutron activation is the process in	which a sentene to about 1 to
a nucleus making it unetable or radio	ective.
S. Pales	
17. A nuclear reactor is a nuclear or ato A. True B. False	mic furnace.
15. A Van de Graaff accelerator may be us A. Trus 3. False	ed as a particle accelerator.
19. I-rays are not a form of radiation. A. True B. False	

20. Radioactivity refers to Associately refers to
A. an overactive ratio
D. the shifty of a nucleus to give off alpha particles, beta particles,
and/or gamma rays
C. both of the above
D. none of the above 21. A unit of measurement of radiation exposure named after Wilhelm Conrad Scentgen is called the roentgen. A. True B. False 22. An X-ray is produced when a high speed electron hits a netal target. A. True B. False 23. E * no2 nade famous by A. Moentgen B. Mutherford C. Einstein D. Hahn 24, Discovered radioactivity B. Curie C. Rutherford 25. Isolated radium from uranium ore. A. Curie B. Bohr 26. Discovered fission and chain reactor processes in uranium A. Hahn B. Meitner C. Fermi D. All of the above 27. Inventor of the Cyclotron (particle accelerator). D. none of the shove 28. Electrons revolve around the nucleus like planets around the sun A. Curie B. Yogi Bear C. Roentgen D. Bohr 29. Discovered alpha particles.
A. Nutherford
B. Flanck
C. Donald Duck
D. Bohr 30. Discovered X-rays.
A. Edison
B. Roentgen
C. Hinstein
D. Becquerel 31. Atomic weight (Mass) refers to
A. the number of stoms
B. the number of protons and neutrons
C. the number of electrons
D. the sumber of protons 32. There are shout 103 elements. Each time we add 1 proton, we A. increase the stonic number 5. increase the stonic weight C. both A and 3 0. mose of the above 33. The uranium in a reactor would be found in A. the dome

3. the fuel element

C. biological shield

D. the control rode 34. Regulates the rate of fission in a reactor core A. control rods
B. shield
C. fuel element
D. turbine This nerit badge is all about
 A. fun and games
 B. nouse traps and ping-pong balls
 C. hair standing on end 36. A good reactor shield material would be A. wood B. concrete C. air D. jello JT. A prilical mass is

A model of redirective atoms necessary to keep a chain
restrion going

the maximum mass one can carry
C. too many buy societ to fit the emittorium

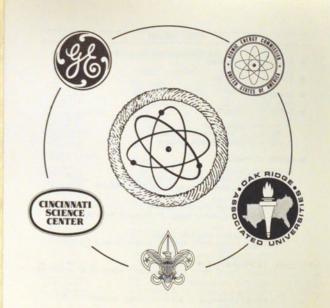
nome of the above 38, Tritlim, an isotope of hydrogen, has A. one proton

3. two neutrons

C. one electron

D. all of the above 39. A significant dose of gamma irradiation to seeds
A. causes a noticeable change in growth
B. causes no change in growth
C. prevents growth
D. makes seeds radioactive to. A getger counter
A. counts getgers
B. detects alpha, beta, or gamma redistion
C. controls a nuclear reactor
D. is hard to start on cold sormings

	FINAL ATON	CC EMERGY MERIT BADGE EXAM
Name		Age
Schoo	01	Grade
Scou	t Master	Troop Rank
Has ;	your Scout Master attended	any of the meetings? O yes O no
		. Exp: The Savannah is a nuclear powered:
		A. Truck C. Airplane B. Ship D. Tank
		The correct answer is:
		0 ● 0 0
1.	0000	21. 0 6 0 0
2.	@ @ @ @	22. (6) (6 (6)
3.	000	23. (A) (B) (D)
4.	A 0 0 0	24. (A) (B) (C) (D)
5.	(A) (B) (D)	25. (6) (6) (6)
6.	A B O D	26. (A) (3) (2) (9)
7.	0000	27. A B 🗑 🗓
8.	0000	28. (A) (B) (C)
9.	0000	29. (a) (a) (c) (b)
10.	0000	30. A 6 C D
11.	0000	31. (A) (6) (5)
12.	0 000	32. (A (3) (a (5)
13.	A • C D	33. (A) (C) (D)
14.	9 300	34. 0 0 0 0
15.	0 300	35. A B C 6
16.	9 9 9 9	36. (A) (C) (D)
17.	0000	37. (a) (b) (c) (b)
18.	9 300	38. ▲ ⑧ ◎ ●
19.	0 • 0 b	39. • (B) (C) (D)
20.	A 0 0 0	40. QQ QQ



Boy Scouts of America Awards Program

ATOMIC ENERGY MERIT BADGE

Princeton High School Friday, April 19, 1968

THE CINCINNATI ENQUIRER

Saturday, April 20, 1968

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.

Merit Badges Atomic Energy Merit Badges were awarded to 450 scouts in a

were awarded to 450 scotts in a single ceremony.

The ceremonles were precede by a dinner at Imperial House. In attendance were high ranking na-tional Boy Scott officials and repre-sentatives of the Atomic Energy Commission.

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, 1963.

"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," Seabord said, "will seriously con-sider the challenge of a career in nuclear science."



Scouts Get Atomic Energy Badges

450 BOY SCOUTS from Dan Beard Council, including many from the Millcreek Valley area, will receive the first Merit Badges to be awarded in Atomic Energy tomorrow night, Friday, during ceremonies to be held at Prince-ton 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 Mc-Shown here are, left to right: Marcus McDonald of Dan Beard Council; John Voltz 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 Pomeroy, 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



OAK RIDGE CHERATIONS UNITED STATES ATOMIC ENERGY COMMISSIO OAK RIDGE TENN. 37830

FOR IMPEDIATE 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

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 ABC 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 ABC contractor -- the Cincinnati Science Center, and the Boy Scouts of America.

Courtland S. 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 Scoute 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 Voltz, an Exhibita Manager for ORAU, assigned to Atomic Energy Commission exhibits work in the State of Ohio.

Voltz, 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 GK in their Cincinnati facilities.

...

SEABORG TELEGRAM

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

WE AT THE ATOMIC EMERGY COMMISSION WERE DELIGHTED TO LEARN THAT 442 YOUNG SCOUTS FROM THE DAN BEARD COUNCIL OF GREATER CINCINNATI HAVE QUALIFIED FOR AN ATOMIC EMERGY 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 PIRST ATOMIC EMERGY BADGES IN NEW YORK IN NOVEMBER, 1963. SINCE THEN, MORE THAN 8000 SCOUTS HAVE QUALIFIED FOR THIS HONGR.

I SHOULD ALSO LIKE TO CONGRATULATE, ON BEHALF OF THE CONGRISSION, 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 ARC BY GAK 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 EMERGY COMMISSION'S CINCINNATI AREA OFFICE AND THE GAK STOOK OPERATIONS OFFICE.

TO QUALIFF 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 MUCLEAR SCIENCE. BUT WHETHER OR NOT HE CHOOSES THIS FIELD, I AM CERTAIN KNOWLEDGE OF THE BASIC CONCEPTS OF NUCLEAR EMERGY WILL MAKE HIM A BETTER ADULT CITIEEN OF THIS INCREASINGLY SCIENTIFIC AGE.

BOY SCOUTS OF AMERICA

April 29, 1968

Mr. George W. Pomeroy 620 Cody Pass Cincinnati, Chio 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 0 E personnel for the excellent, result getting Atomic Energy Meri Badge Project. This was of typical 0 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 hosts!

Would you please advise the names and addresses of others whom you think might merit a letter from us shout this success? Would you also please tell us the name of the 0 Z official and his title with whom we had the privilege of visiting following the tour. He had see very pertinent observations about the significance of Scouting for business and industry.

Best winhes.

Cordially,
Wallace Hill
Director
Industrial Aelationships

ng co: Basil F. Starkey Scout Executive Dan Beard Council #438

(MOTE TO EDITORS: Similar information is being issued simultaneously by Oak Ridge Associated Universities, Oak Ridge, Tennessee.)



MERIT BADGE PRESENTATION



Bex 788 Russells Point, Chio May 7, 1968

Hr. George Pomeroy General Electric Corporation Evandale, 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 wender with a bit of awe at the turn of events that brought all of those scouts together.

This "turn of events" is largly due to the organization you gave to the early stages of this program along with the advertising and promotional backing of General Electric which

I particularly appreciate your (and your secretary's) willingness to interupt a busy schedule at any time to discuss and review 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 menths on this pregram. Thank you for your time and cooperation.

John C. Volts Exhibit Manager Oak Ridge Assoc. Universities

Yours truly,

ATOMIC ENERGY MERIT
BADGE PROGRAM





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.







Roger Pfalzgraf

EXPLORER POST
303
1987 Seneral Electric
LASER CENTER TOUR



The Cincinnati Enquirer John Curley

Explorer Scout Robin Stow, a sophomore at St. Xavier High School, examines a piece of high-tech equipment at GE Evendale.

GE plant explored by Scouts

Teens, young adults introduced to world of technology

BY MARY KAY GILBERT

eneral 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 teen-agers 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.

A committee of 12 GE employees helps Pfalzgraf set up 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.

"Tre 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.

NEWSPAPER IN EDUCATION

For information about The Enquirer and The Post's Newspaper in Education program call our NIE Coordinator at 369-1717



Headines

Program helps young minds explore future

reat 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 cochairmen 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.



Teens in last year's Explorer Post program learn about bridge building.

"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 Elfuns 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

-		Ontoute Mak
15	Elliott, Chris	Batavia High Batavia High
34	Howard, Todd	Batavia High
18	Fisher Keith	Carlisle High
41	Jentzen, Tony Fisher, Keith Keller, Randy Clark, Chad	Colerain High
11	Clark, Chad	Connersville Sr. High
1	Bailey, Michael Sharp, Bill Frey, Erik	D. Russel Lee
60	Sharp, Bill	D. Russel Lee Voc.
22	Frey, Erik	Dixie Hghts. High
19	Foister, Kevin	Edgewood High Edgewood High
26 49	Handy, Les	Edgewood High
54	McClung, Don Prushing, Joseph	Edgewood High
82	Young, Mathew	Edgewood High
46	Lim, Larry	Elder High
75	Wagner, John Bowden, David	Elder High
2	Bowden, David	Fairfield High
20	Francis, Shaine Harmon, Michael	Fairfield High
27	Harmon, Michael	Fairfield High Fairfield High
29 30	Hetterich, Brian	Fairfield High
31	Hettinger, Andrew Hettinger, Chris	Fairfield High
32	Hooker, Shawn	Fairfield High
44	Hooker, Shawn Lane, Michael	Fairfield High
61	Singleton, Christopher	Fairfield High
62	Singleton, Craig	Fairfield High
68	Tomblin, Christine	Fairfield High
69	Tomblin, Michelle	Fairfield High
77 45	Singleton, Christopher Singleton, Craig Tomblin, Christine Tomblin, Michelle Waller, Chase Lewis, Elbert	Fairfield High Finneytown High
80	Wilson James	Franklin High
4	Hilson, James Brainch, Iqbal Buckley, David	Lakota High
7	Buckley, David	Lakota High
9	Carpenter, Joey	Lakota High
50	Miller, Keith	Lakota High
56	Reinker, Eric	Lakota High
63	Snead, Norman	Lakota High
66	Stewart, Shannon Vanas, Josh	Lakota High Lakota High
71 72	Varadarajan, Uday	Lakota High
83	Vasan, Mohan	Lakota High
73	Volavka, Jessica	Lakota High
76	Wallace, Brian	Little Miami High
37	Hyatt, Amy	Madison High
23	Hyatt, Amy Gray, Mike	Middletown High
35	Hughes, Jeremy	Middletown High
79	Williams, Jelany	Middletown High
10	Chaney, Alex Frank, Gary	Milford High Milford High
14	Daniels, Mike	Mt. Healthy High
6	Brockman, Brad	Newport Central Cath.
43	Kremer, Scott	Newport Central Cath. Newport Central Cath.
12	Cox, Brian	Norwood High
24	Grunenberg, Dell	Norwood High
48	Mastin, James	Norwood High
74 33	Vordemesche, Chris Howard, Michael	Norwood High Oak Hills High
42	Kitchens, Andy	Oak Hills High
52	Neumeister, Rob	Oak Hills High
59	Schehr, Joseph	Oak Hills High
65	Springmyer, Heather Willett, Brian	Oak Hills High
78	Willett, Brian	Oak Hills High
5 28	Bremanis, Andrew	Princeton High Princeton High
51	Hazeley, Damian Nelson, Kevin	Princeton High
55	Rajendran, Vijav	Princeton High
38	Rajendran, Vijay Jamieson, Gregory	St. Xavier High
16	Ennis, Douglas	Sycamore High
13	Dance, Chris	Union County
3	Bowers, Timothy	Union County High
58	Rude, Tim	Union County High Walnut Hills High
8 25	Cammerer, Brian Hahn, Michael	Halnut Hills High
36	Huynh, Kha	Walnut Hills High
53	Huynh, Kha Price, Shawn	Walnut Hills High
57	Richter, Sharon	Halnut Hills High
64	Richter, Sharon Spaeth, Nathan	Walnut Hills High
67	Struble, Givon	Walnut Hills High
70	Tully, Brandon	Halnut Hills High
81 47	Hittrock, Don Love, Demetrious	Walnut Hills High Western Hills High
40	Jesus, Peter	Withrow High
17	Ennis, Lisa	Xavier University

EXPLORER POST 303

1989-1990 PROGRAM SCHEDULE

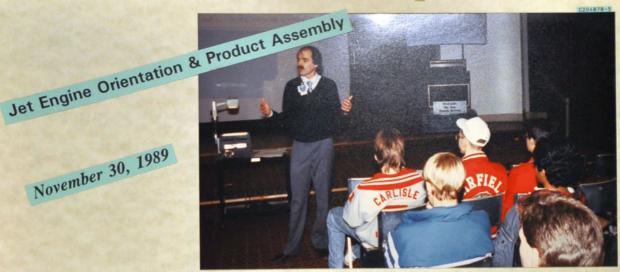
PROGRAM NO	DATE	DESCRIPTION	GATE
1	16-Nov-89	FIRST NIGHTER	26
2	30-Nov-89	JET ENGINE ORIENTATION & PROD. ASSEMBLY	26
3	07-Dec-89	COMPUTER CENTER TOUR	26
4	14-Dec-89	ENGINEERING, WHAT DO ENGINEERS DO?	50
5	11-Jan-90	BEING A DRAFTSMAN/COMPUTER GRAPHICS	50
6	18-Jan-90	COMPUTER GRAPHICS/BEING A DRAFTSMAN	50
7	25-Jan-90	MATERIALS AND PROCESSES	50
8	01_Feb-90	PROCESS PLANNING	26
9	08-Feb-90	MAKING A PART	26
10	15-Feb-90	. ADVANCED MANUFACTURING CONCEPTS	26
11	22-Feb-90	QUALITY/INSPECTION	26
12	01-Mar-90	DEVELOPMENT ASSEMBLY & TEST	50
13	08-Mar-90	CUSTOMER SCHOOL - PRODUCT SUPPORT	50
14	15-Mar-90	JET ENGINE MUSEUM & PROGRAM REVIEW	50
15	22-Mar-90	CLOSING PROGRAM	50

PROGRAM CANCELLATION DUE TO MEATHER (OR OTHER REASONS) HILL BE ANNOUNCED ON MCRC-AM.

SPONSORED BY

GE AIRCRAFT ENGINES

November 30, 1989









November 30, 1989





Engineering, What Do Engineers Do?













Engineering, What Do Engineers Do?













Computer Graphics/Being a Draftsman

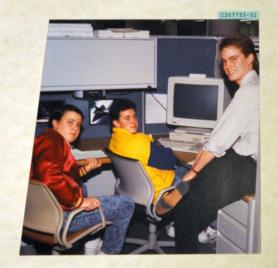
January 18, 1990

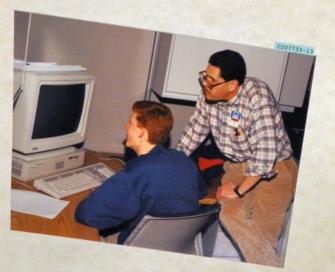


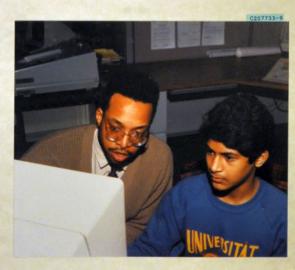
Post 303 COMMITTEE 1989-1990

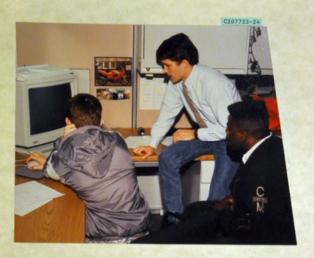
(Rolf) Bick, R. (Mark) Brands M. H. Brulport, K. J. (Katie) (Gene) Hauser, E. M. (Len) Landau, L. (KG) Mani, K. G. (Donald) McKinnon, D. (Ken) Rogers, K. (Ramesh) Shanbhag, R. K. (Jon) Stow, J. J.

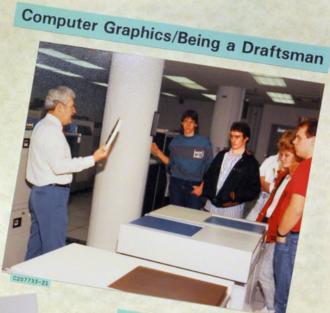












January 18, 1990







Materials & Processes

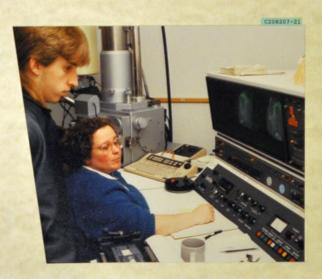
























Development Assembly & Test













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Jet Engine Museum & Program Review







March 15, 1990





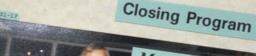






March 22, 1990 Closing Program



















SCOUTING DIVIDENDS

Spring 1992

Friends of Scouting
Newsletter

Dan Beard Council, B.S.A.

Randolph and General Electric to Receive Good Scout Awards



JACKSON RANDOLPH CG&E



BRIAN ROWE GENERAL ELECTRIC



JOHN CLENDENIN BELLSOUTH



CLEMENT BUENGER FIFTH THIRD BANCORP

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 BELLSOUTH 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

You are invited to the

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 Award Luncheon

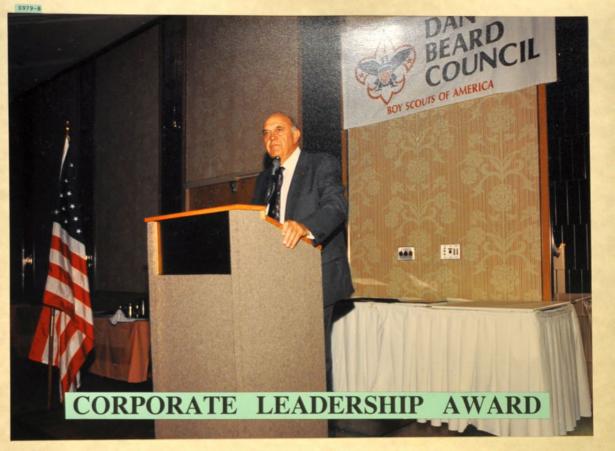
Honoring:

GE Aircraft Engines and Jackson H. Randolph

THURSDAY, MAY 14, 1992 THE WESTIN HOTEL

Luncheon Chairman Clement L. Buenger Fifth Third Bancorp Chairman



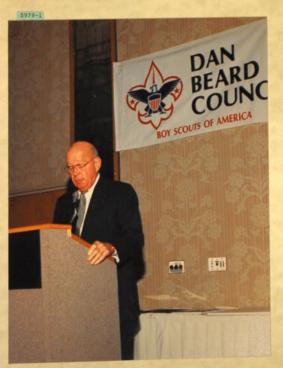






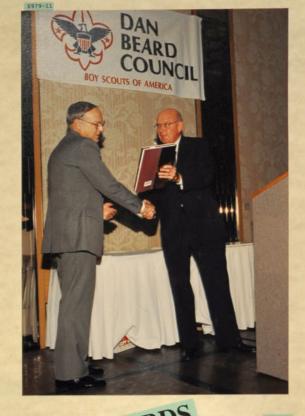




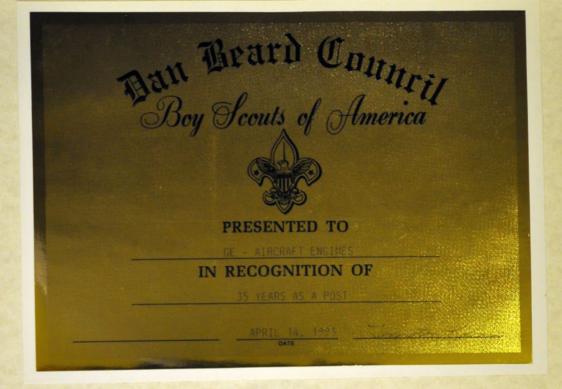












GE's Explorer Post 303 celebrates 35th year

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 Elfun 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 (Continued on page 2.)

Explorer Post 303
introduces young men
and women to various
engineering disciplines.

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.



Dear Mr. Bick,

I am writing to thank the

Dan Beard Council



Boy Scouts of America