

The Village Crier

national accelerator laboratory

Operated by Universities Research Association Inc.
Under Contract with the United States Atomic Energy Commission

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P. O. Box 500, Batavia, Illinois

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NAL hosts show six Soviet visitors the progress at LINAC construction site.

Canadian \$ for NAL?

The following is from a statement issued last week by the University of Toronto, Canada:

Canada has a wonderful opportunity to become a working partner in the construction and operation of what will by 1972 be the most powerful atom-smasher in the world, according to a group of physicists who, in Fall of 1967, received a Canadian government grant to investigate the matter.

The project is the 200 billion electron volt (200 BeV) proton accelerator that is to be built in the new National Accelerator Laboratory near Batavia, Illinois.

At present, the most powerful machine of this sort in the world is the 70 BeV accelerator the Russians have built at Serpukhov. CERN, the European Centre for Nuclear Research in Switzerland, hopes to complete several years later a machine with a 300 BeV capability, as a multi-national project. However, the Batavia machine should have a built-in potential for later doubling of its energy.

In all these machines, the aim is to boost sub-atomic bullets in the form of protons -- positively-charged nuclei of hydrogen atoms -- to velocities near those of light (186,000 miles per second) and use them to bombard other atomic nuclei. The target atoms are thus shattered into fragments that provide important clues to the nature of their component parts and the forces holding them together.

Annual Contribution Suggested

In their report, "A Particle Physics Programme for Canada, which was financed by the National Research Council, five physicists, all members of the Canadian Association of Physicists, say that virtually all the technologically-advanced countries have recognized the value of particle physics.

Three out of the first six countries to offer financial support for the new CERN machine have populations smaller than Canada's.

They recall that Canadian scientists have already made important contributions to knowledge in particle physics but Canada can hardly afford to build now a machine on her own soil that could compete with those projected. Nor does she have sufficient physicists of her own working in the field to justify its construction.

Canadians Issue Report

The group suggests that Canada, by making an annual contribution of \$4 millions that she can easily afford, has the chance to become a full partner in the NAL project, with opportunity to influence the policy and direction of the laboratory. Their report includes detailed studies that show this contribution could be retained in Canada and spent here by NAL, thus utilizing Canadian industrial potential in the engineering and construction of certain components.

Members of the group were: (Chairman) Professor E.P. Hinks, chairman, Department of Physics, Carleton University; Dr. A. W. Key, University of Toronto research fellow, presently attached to NAL; Dr. B. Margolis, professor of physics, McGill University; Dr. W. T. Sharp, associate chairman, Department of Mathematics, University of Toronto; and Dr. D. G. Stairs, professor of physics, McGill University. Dr. Key is a resident member of the NAL staff. He is associated with NAL's Experimental Facilities group.

HEP* Russians

NAL 'In-Tourists'

Six physicists and engineers from the Soviet Union visited NAL Thursday, March 13, and toured the laboratories in the Village and the Linac construction site.

Dr. Robert R. Wilson, Laboratory Director, was host to the visitors at a luncheon served in the cafeteria.

The Soviets came to the Chicago area from the 1969 Particle Accelerator Conference held in Washington earlier in the month. They also were scheduled to tour U. S. Atomic Energy Commission facilities in California (Stanford Linear Accelerator Center and the Lawrence Radiation Laboratory at Berkeley) before returning home. Before coming to Chicago, they visited the AEC's Brookhaven National Laboratory, Long Island, N. Y.

Dr. M. Stanley Livingston, Associate Director of NAL, was in charge of arrangements for the tour of the NAL site by the Soviets. The Soviet visitors were:

Yu. M. Abo, Section Head, Institute of High Energy Physics, Serpukhov.

D. P. Filippov, Section Head, Foreign Relations Department, USSR State Committee for Utilization of Atomic Energy.

E. G. Komar, Director, Research Institute of Electrophysical Equipment, Leningrad.

Yu. Ts. Oganessian, Chief Electrical Engineer, Laboratory for Nuclear Research, Dubna.

V. P. Sarantsev, Section Head, Joint Institute for Nuclear Research, Dubna.

I. N. Semenyushkin, Physicist, Joint Institute for Nuclear Research, Dubna.

*High Energy Physicists -

Linac, Booster, Roads Underway at NAL; Village Takes Shape

The following article on the present status of the development of The National Accelerator Laboratory was written by Francis T. Cole, assistant director of the Laboratory for technical affairs.

Our first goal as a laboratory is to build a 200-BeV (billion-electron volt) accelerator (with built-in capability for later expansion to 400 or 500 BeV) and the experimental-area and laboratory facilities needed for physics experiments with the accelerator.

The first 200 BeV protons are to be produced and experiments begun by June 30, 1972.

The work of all of us at the Laboratory, at DUSAF, and at the AEC 200 BeV office is toward this goal. Work is going ahead on design of technical components and systems of the accelerator and on the buildings to house the accelerator and the Laboratory.

To the casual visitor, the most visible effort is that on buildings. Work on the Linac Building began with the groundbreaking last December 1 and is proceeding on schedule. The building will be complete and ready for the beginning of installation of the 200 MeV (million electron volt) linac (short for linear accelerator) at the end of 1969.

The Booster Enclosure

Construction is also beginning on the next building, the Booster Enclosure. The Linac Building is long and thin, to fit the shape of the linac, but the Booster Enclosure is circular and is buried under earth shielding. The Booster is a synchrotron, a circular accelerator, which takes the 200 MeV protons from the Linac and accelerates them to 10 BeV. The Booster Enclosure is to be finished early in 1970. When it is complete, the only visible part of it will be the mound of shielding and power-equipment galleries on top of the shielding.

Work is also in progress on rough roads and grading near the Linac Building. These roads will eventually be some of the permanent roads of the Laboratory.

Only one more major construction contract is planned this fiscal year. We have received bids on the Cross Gallery, a building that will connect the Linac, Booster, and Main Ring and provide access to them, staging areas for equipment and control-room space. Meanwhile, design work is going ahead on the Main Ring Enclosure, which we hope to get into construction late in 1969, and on many of the other buildings of the Laboratory.

We are also building temporary laboratory buildings in the Village (the former Weston) and moving houses to give us space to do the modeling and prototype work needed for design of technical components. Three laboratory buildings are in use and four more almost finished.

Technical Component Sections

In these laboratory buildings, the technical-component sections are each doing their thing. The Linac section is building a complete 100 MeV prototype Linac; they plan to have 10 MeV protons on July 1. At the same time, the Linac people are extremely busy completing the design of the 200 MeV Linac, so that all the components can be ordered.

The Booster section is building prototype magnets. Together with the RF section, they plan to have an operating section of the Booster (except for protons) installed in the prototype enclosure that is part of the Booster laboratory by September 1.

The Main Ring section is working on design of many parts of their accelerator, particularly the magnets, which are much larger than those of any previous synchrotron.

In the next fiscal year, which begins July 1, 1969, we plan to start construction of a large fraction of the 200 BeV Accelerator components, including all of the Linac and Booster and the Main Ring magnets. During the next months, the bill containing our appropriation will work its way through Congress. Its progress will be followed by all of us with great interest.

The Village Crier Is Born

This is the first issue of The Village Crier, published by the National Accelerator Laboratory for its staff and sub-contractors' employees.

The Crier will have a relatively small circulation, but it will be read by one of the most elite group of men and women in the world--the NAL family con-

cerned with developing and constructing the world's most powerful proton accelerator.

The Village Crier will appear monthly at the start. Any suggestions about articles or photographs would be welcomed at The Public Information Office, 14 Sauk Blvd., NAL Village.

DUSAF on Beam as 'Footprint' Work Proceeds

DUSAF, the architects, engineers and construction managers for the accelerator site and conventional facilities, have three subcontracts active in the "Footprint Area". Bids also have been received on an additional major element.

The "Footprint Area" when complete will include the Linac, Booster, Cross Gallery, Transfer Gallery and 200 MeV Beam Transfer.

Active subcontracts, authorized for fiscal year 1969, include: Palumbo Construction Company for roads and parking areas; Schless Construction Company for Linac; and Herlihy-Mid-Continent Construction Company for Booster. Bid evaluation is in progress for the Cross Gallery.

DUSAF is now designing projects to be constructed with funds requested for fiscal year 1970. These include Central Utility Plant, Main Substation for electrical power, the Main Accelerator, Phase I Industrial Buildings and the first increment of site utilities. Site improvements in addition to buildings and roads will include domestic and industrial water supply, treatment and storage, sanitary sewers, storm drainage, gas supply and distribution and underground electrical power and communication distribution.

Public appearances made recently by Marvin E. Warner, Manager of Engineering and Architecture for DUSAF, included a talk, "Status Report of the 200 BeV Accelerator," before the Rotary Club of Naperville on March 6th, and an appearance before the Indiana Chapter of the American Society of Engineering Educators at Purdue University in February.

DUSAF Personals

Corrie Clark left our Accounting Department to become Mrs. Len Thomas.

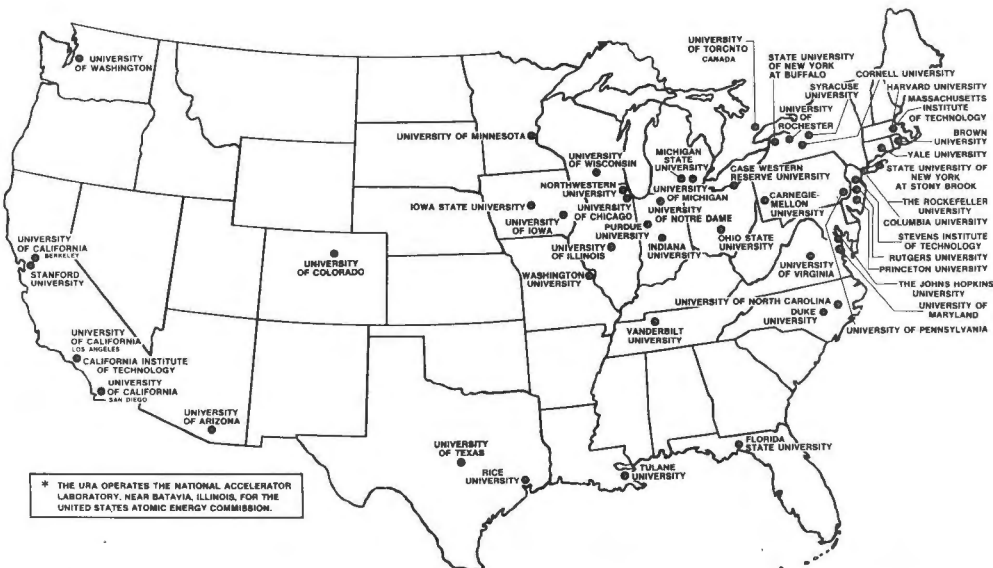
A speedy recovery is wished Helen Hayes of Accounting after a recent operation, and Don Moll's baby daughter recovering from pneumonia. Don Moll is with DUSAF's Liaison Division. Also we welcome back Lee Johnson, Architecture, after a serious operation.

Congratulations are in order for Mr. & Mrs. Aris Tsapras, Electrical, on the birth of a son; and Mr. & Mrs. Milton Carter, Architecture, a baby girl.

Tullio Luisada, Mechanical, just returned from Florida after a two week vacation. Molly Hopkins, Office Services, just returned from the Mardi Gras. While there Molly had a visit with her daughter Brenda who is attending school.

Joyce Downs, EEO, has just returned from a recruiting tour which took her to Alabama, Virginia, and Texas.

Congratulations are in order for Robert Scott who transferred from Personnel Chief to Chief, EEO.



Member Universities of the Universities Research Association, Inc. (URA)*

Case, Stony Brook Elected To Membership in URA

The election of two more major universities to membership in the Universities Research Association, Inc., of Washington, has been announced.

They are Case Western Reserve University at Cleveland, Ohio, and the State University of New York at Stony Brook.

Their election brings to 50 the number of academic institutions which are members of URA -- 49 in the United States and one in Canada.

URA operates NAL for the U.S. Atomic Energy Commission. Dr. Norman F. Ramsey, professor of physics at Harvard University, is URA's president.

The addition of the two universities, both of which have distinguished departments in the physical sciences, took place at the annual meeting of the URA Council of Presidents. The council is made up of the presidents of URA member universities. It is URA's highest governing body.

Elect H. Guyford Stever

In another action, H. Guyford Stever, president of Carnegie-Mellon University at Pittsburgh, was elected chairman of the URA Council of Presidents. W. Allen Wallis, president of the University of Rochester, N. Y., WAS ELECTED Vice-Chairman.

Stever had served as acting chairman of the URA Council since the resignation of Elvis J. Stahr from the presidency of Indiana University.

URA's management is delegated to a board of 21 trustees under the Chairmanship of Professor Henry D. Smyth of Princeton University who is also the U.S. ambassador to the International Atomic Energy Agency in Vienna, Austria. Vice-chairman is Professor Robert F. Bacher, acting president and provost of the California Institute of Technology.

Elected as trustees-at-large to the URA board were:

- 1. Dr. T. Keith Glennan, of

the Urban Coalition, Washington, D. C.

2. Dr. Robert A. Champie, of Chicago, president of Bell and Howell, Inc.

3. Ben W. Heineman, of Chicago, board chairman of Northwest Industries, Inc., and

4. William Webster, of Boston, chairman of the board of New England Electric Co., and President of Yankee Atomic Electric Co.

The following were elected to the URA's board to represent member institutions which are divided into 15 geographical groups:

GROUP ONE: Dr. Robert F. Bacher, acting president, California Institute of Technology; for the University of California (Los Angeles), the University of California (San Diego), and the California Institute of Technology.

GROUP TWO: Dr. Edward M. McMillan, director, Lawrence Radiation Laboratory, University of California (Berkeley); for Stanford University and the University of California (Berkeley).

GROUP THREE: Dr. A. G. Norman, vice-president, University of Michigan; for Carnegie Institute of Technology, Ohio State University, the University of Michigan and Michigan State University.

Midwest Western Group

GROUP FOUR: William B. Cannon, vice-president, the University of Chicago; for the University of Illinois, Northwestern University, and the University of Chicago.

GROUP FIVE: Dr. Thurston E. Manning, vice-president, University of Colorado; for the University of Arizona, the University of Colorado, and the University of Washington.

GROUP FIFTEEN: Dr. Gardner Lindzey, vice-president of the University of Texas at Austin; for Rice University, Tulane University and the University of Texas.

Other trustees representing member institutions are:

GROUP SIX: Dr. Leon M. Lederman, Columbia University; for The Rockefeller University, Yale University and Columbia University.

GROUP SEVEN: Dr. Robert E. Marshak, University of Rochester; for Cornell University, State University of New York at Buffalo, Syracuse University, and University of Rochester.

GROUP EIGHT: Dr. Gerhard Henrikson, Duke University; for Duke University, Florida State University and University of North Carolina (Chapel Hill).

GROUP NINE: Dr. Richard Wilson, Harvard University; for Brown University, Harvard University and Massachusetts Institute of Technology.

GROUP TEN: Dr. Bernard Waldman, University of Notre Dame; for Indiana University, University of Notre Dame and Purdue University.

GROUP ELEVEN: Dr. William J. Kerman, Iowa State University; for Iowa State University, University of Iowa and Washington University.

GROUP TWELVE: Dr. Leon Madansky, the Johns Hopkins University; for The Johns Hopkins University, University of Maryland, University of Virginia and Vanderbilt University.

GROUP THIRTEEN: Dr. Morton Hamermesh, University of Minnesota; for University of Minnesota, University of Wisconsin and University of Toronto.

GROUP FOURTEEN: Dr. Henry DeWolf Smyth, Chairman, Princeton University; for Princeton University, Rutgers University, Stevens Institute of Technology and University of Pennsylvania.

Six of the 21 trustees are appointed at large; the other 15 represent the member universities by groups.

URA was formed by 34 major research universities after a meeting of their presidents at the National Academy of Sciences, Washington, D. C., in June, 1965, to provide a broad national basis for the management of the 200 BeV Accelerator and similar unique facilities in other fields.

About NAL; So They Say . . .

"We were pleased to see the National Accelerator Laboratory construction start...This beginning is an important milestone in the scientific development of DuPage County, our state, and the country. Although the Accelerator will be primarily a research facility...its location in DuPage County typifies a growing trend of sophisticated industrial orientation.

"The Accelerator joins the already completed Bell Telephone Laboratories, the Standard Oil research facility now being built, and the proposed Zenith Corporation facilities as pace setters for a technological generation in the metropolitan Chicago area.

"College of DuPage, a new and growing community member, is pleased to welcome this 'new generation' for two reasons. The new industries are creating a demand for more and more technologically trained employees... Equally important, our community oriented educational programs will be enriched by the contributions of the highly skilled professional men and women who will gravitate to these operations." - Rodney Berg, President, College of DuPage, Glen Ellyn, Ill.

The Guest Book

Journalistic visitors: Robert Wells, Milwaukee Journal feature writer; James Hampton, of Washington, D. C., National Observer reporter.

NAL Village Crier

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PHOTOGRAPHER, Anthony Frelot

NAL Library Offers Current Reading For All

By Roger Thompson

With Spring just around the corner, your Library would like to point out some "current and choice" reading available at No. 15 Potawatomi.

Of General Interest:

The Big Machine, Lawrence and Oppenheimer, Peter Kapitza on Life and Science, The Double Helix, Politics and Pure Science, The New Brahmins.

For Interested Technicians and Others:

Understanding Physics, The Atom and the Nucleus, Inside the Nucleus, Particle Physics: the High Energy Frontier, and Accelerators: Machines of Nuclear Physics.

For Accelerator Designers, Theorists and Experimenters:

Advances in Particle Physics, The Stanford Two Mile Linear Accelerator, Vacuum Engineering, Foundations in Quantum Mechanics, Focusing of Charged Particles, Elementary Particles and Their Currents, and High Energy Beam Optics.

The Library is receiving many more journals this year. Included in the list are: Computing Reviews, IEEE Spectrum and various IEEE Groups, Nature, Engineering News Record, Science, Scientific Research, Scientific American, Optical Society of America Journal, Modern Plastics, Welding Journal and ACM Journal.

To keep up with developments, "discover" the Library! It might add a new dimension in your living.

Book Review

The following is taken from the January, 1969 issue of the BULLETIN OF ATOMIC SCIENTISTS. It is from a lengthy review of the book, "Lawrence and Oppenheimer," by Nuell Pharr Davis.

"The world of nuclear physics is a little world where almost everyone knows everyone else. It is a cozy international fraternity which has meetings and parties and dinners where intramural gossip is the elixir of life. What is wrong with "Lawrence and Oppenheimer" is not that it retails gossip about sacrosanct figures; it is that the gossip is often malicious and untrue. What is wrong with "Lawrence and Oppenheimer" is not that the author has made an interpretation; it is that the interpretation doesn't fit the facts. The material has been mauled and handled to suit the author's purposes, and in the fingering the goods have become soiled. -- Jane Wilson". Mrs. Wilson is book review editor of the BULLETIN. She is a member of the NAL Women's Organization.

Presents Plaque

Arthur Theriault, village president of the former Village of Weston, presented a plaque to NAL to commemorate his village once located on the Laboratory's site, at a ceremony in mid-February. The plaque is placed at the intersection of Shabbona and Nequa Streets in the NAL Village.



Lawrence G. Mohr

L. G. Mohr Dies In Washington

Lawrence G. Mohr, who had served as the first manager of the U. S. Atomic Energy Commission's 200 BeV Facility office at NAL, died in Washington, D. C., March 1 at the age of 59.

At the time of his death, Mr. Mohr was assistant to the director of the AEC's Division of Construction.

In February, 1967, Mr. Mohr was appointed to direct the AEC's 200 BeV Facility office which, at that time, was located at the Argonne National Laboratory, where the AEC's Chicago operations office is located. He came to the post from the AEC's Palo Alto, California office, where he had been area manager and administrator since 1961 of the prime contract with Stanford University for the construction and operations of the Stanford Linear Accelerator. Mr. Mohr moved to Washington last July and was succeeded at the 200 BeV Facility office here by Kennedy C. Brooks.

Mr. Mohr, who had been with the AEC since 1947, specialized in construction and engineering work. His AEC career began at Los Alamos, New Mexico, after serving with the U.S. Army Corps of Engineers as a civilian and an Army officer starting in 1937. He had reached the rank of colonel.

Mr. Mohr was a graduate of Cornell University. He also did graduate work at MIT and George Washington University.

Survivors included his widow, Dorothy; two daughters, Evelyn Sue and Jane Ellen; two sons, Lawrence G., Jr., and Robert S.; his mother, Mrs. Gustav Mohr, and a brother, The Mohrs resided at 12220 Glen Mill Road, Potomac.

Upon learning of Mohr's death, Mr. Brooks said, "Larry looked forward to his assignment to the 200 BeV with great enthusiasm and eagerness. His departure last July was a keen disappointment to him as well as the other members of the Area Office and his many friends at NAL and DUSAF."

Planning Workshop

The DuKane Valley Council will sponsor a two-day workshop for planning officials and other public agency employees at the barn on the Phillips farm April 14 and 15. DUSAF's Ivan Alten and Charles Schrader, of the DuKane Valley Council, are in charge of arrangements.

NAL's Product Gets Exposure At Washington

What is the product of NAL? It is new knowledge. To tell the growing community of accelerator or experts what is happening near Batavia, NAL sent 20 of its experts to the 1969 Particle Accelerator Conference held in Washington, D. C., on March 5-7.

The conference was sponsored jointly by the American Physical Society, Institute of Electrical and Electronics Engineers, National Bureau of Standards, National Science Foundation, and the United States Atomic Energy Commission.

The conference is held every two years and is attended by several hundred physicists from the United States and Europe.

NAL staff members attending were: Miguel Awaschalom, Radiation Physics; Roy Billinge, Booster; Richard Cassel, Main Ring; Francis T. Cole, Planning and Scheduling; Tom L. Collins, Architectural-Engineering and Site Planning; Ernest Courant, Theory; Richard C. Juergens, Planning and Scheduling; Quentin A. Kerns, Radio Frequency; Lowell A. Klaisner, Booster; James A. MacLachlan, Theory; Alfred W. Maschke, Beam Transfer; Richard M. Moble, Beam Transfer; Grahame H. Rees, Radio Frequency; Burton R. Sandberg, Radio Frequency; John A. Satti, Main Ring; Frank C. Shoemaker, Main Ring; Lloyd Smith, Theory; Stanley C. Snowden, Theory; Lee C. Teng, Theory; Gerald S. Tool, Radio Frequency.

AEC to Get Good Earth

The title to the 6,800 acres in DuPage and Kane Counties on which NAL is located will be passed formally from the State of Illinois to the U.S. Atomic Energy Commission on April 10, 1969. Governor Richard B. Ogilvie will make the presentation to AEC officials at a luncheon at the Palmer House in Chicago. The luncheon will be sponsored by Mayor Daley's Committee for the Economic and Cultural Development of Chicago and the Illinois Department of Business and Economic Development.



Personnel's Loine Riggs and Mrs. Mildred Meyers prepare to sample opening day specials prepared by Bernie Lensmeyer's staff at NAL's cafeteria.

M20 Material Management Office

by Helen Severance

For those who are new to the Laboratory, the Material Management Operation comprises the following functions: purchasing, small contracts, expediting, traffic, receiving, shipping, moving and distribution, stockroom operation, inventory control and excess acquisition (have you seen the NAL ambulance and fire engines - acquired on excess).

The "feedback" on the use of the Short Order Form has been very favorable. However, users are becoming careless - all blanks should be filled out, unit prices extended and added up, most important, a validating signature must appear on the form.

The activity you will soon be observing at the farm on the south side of Batavia Road opposite Sauk Boulevard will be a result of the Material Management Section moving its shipping and receiving function from Batavia closer to the Laboratory site which should result in faster distribution of material. Al LaPorte will supervise this activity with Bob Maleto assisting him.

The Purchasing Section will soon be preparing purchase orders on an IBM 632 system to enable information to be accumulated on punched cards for use in compiling various reports. The machines have been delivered and will be operating very shortly at 16 Potawatomi - the latest "office" to be added to the M₂₀ Complex.

The Purchasing Group would appreciate more realistic delivery dates on requisitions. They really do read and react to these dates, but a requisition received today with a requested delivery date of last week is slightly difficult to accomplish unless the magic wand is fully charged! There's another way to say this - Don't be "a sap" (ASAP), BE SPECIFIC!!!!

AEC Features NAL in New Radio Series

Edwin L. Goldwasser, deputy director of the National Accelerator Laboratory, is featured in a new educational radio series produced for the U.S. Atomic Energy Commission by the Argonne National Laboratory. The series is being distributed to radio stations around the nation and overseas.

"The World's Largest Atom Smasher" is the title of Goldwasser's presentation.

The series consists of 12 informal interviews on LP records. It was produced by Ed Ronne, of the Argonne Information Staff, in co-operation with Jon Fogel, of the Division of Public Information, AEC, Washington.

The 10 minute programs stress the peaceful uses of atomic energy. Don Lind, an astronaut, and Glenn T. Seaborg, AEC chairman, also are among the interviewed guests.

More than 1,000 radio stations already have requested the program. In the NAL area, the program may be heard on the following stations: WIND, Chicago, Sundays, 10:35 p.m.; WTAQ, LaGrange, Sunday, 10:45 p.m.; WKKD, Aurora, Tuesdays and Thursdays, 4:05 p.m.; WJJD, Chicago, Sundays, 10 a.m.; WSDM, Chicago, Tuesdays, 7:10 a.m.

Gerald F. Tape

Gerald F. Tape has resigned as an AEC commissioner to become President of Associated Universities, Incorporated, a corporation which operates the Brookhaven National Laboratory on Long Island, N. Y., for the AEC and the National Radio Astronomy Observatory in West Virginia for the National Science Foundation. An AEC commissioner since July, 1963, Tape, a physicist, spoke at the December 1 groundbreaking for the linear accelerator enclosure at NAL.

Exhibit Hall at NAL

NAL's Exhibit Hall is being developed for visitors by Jose Poces, Industrial Design, and Mrs. Nancy Redmon, Public Information. They are seeking suggestions for exhibits to display there.

New Faces In N A L Village

The following brief biographical summaries of new employees at NAL were written by Mrs. Gloria Moore. The list appears alphabetically by last name and covers the recent period up to February 25, 1969:

JOYCE J. ADAMS, who attended school in House Springs, Mo., was welcomed by the Booster group as a Clerk.

SAMUEL H. ALEXANDER attended school in Louisville, Ky. He is an Instrument Machinist with Technical Services and has many years machinist experience. Mr. Alexander resides in Batavia.

EDWIN J. ARKO of Lockport received his certificate of training in aircraft communications equipment from the Air Force Technical School of Electronics in 1959. He is a Technician with the Booster group and previously worked at Argonne as an electronic technician.

JOANN C. BAASKE of Woodridge was welcomed by the Accounting department as a Clerk. Mrs. Baaske attended school in Chicago and has several years experience in bookkeeping.

WINSLOW F. BAKER, Physicist has been appointed to the staff of Experimental Facilities and came to NAL from CERN (European Organization for Nuclear Research) Geneva, Switzerland, where he held the position of Sr. Physicist. He received his A.B. in physics and mathematics from Bowdoin College, Brunswick, Md., in 1950 and his M. A. in physics (1952) and Ph.D. in physics (1957) from Columbia University. Dr. Baker is a member of the American Physical Society and resides at Four Lakes Village, Lisle.

JOHN W. BARRY joined the Director's Office in the position of Executive Assistant. Mr. Barry received his B.A. in Business Administration in 1959 from Northwestern University and comes to NAL from the University of Michigan, Randall Laboratory. He is in the process of moving his family to this area and does not yet have a permanent residence.

GERALD J. BELLENDIR joined the staff of Theory as a Programmer. He attended Wright Junior College, Chicago, and received his B. A. in mathematics in 1968 from DePaul University. Mr. Bellendir resides in Westmont and is a former A

THOMAS B. BORAK, has been appointed Associate Physicist with Radiation Physics. He received his B.S. in physics from St. John's University in 1964, and his Ph. D. in physics from Vanderbilt University in December, 1968. Mr. Borak is a member of the American Physical Society and the Health Physics Society. He resides at Four Lakes Village, Lisle, Ill.

DONALD R. BREYNE, Draftsman, Linac, is a resident of Aurora. For the past 7 years Mr. Breyne has been with Furnas Electric Company in Batavia, where he was Sr. Design Draftsman. He attended Marmion Academy in Aurora.

JIMMY BROGLIN has joined Village Services as a Maintenance Man. Mr. Broglin resides in Aurora. He attended school in St. Charles, and also attended welding school in Aurora.

FRED H. BROWNING, has recently moved to Elgin from Skokie, Ill. He is a new member of the Booster group working as a Draftsman. Mr. Browning attended school in Carmi, Illinois.

LAWRENCE F. CRANE of Geneva joined Beam Transfer as a Technician. Mr. Crane has a number of college courses to his credit and is a welcome addition to the Village.

ANTHONY R. DONALDSON of Lemont is a new Engineer with the Linac group. He received his Associate Degree in applied science from the DeVry Technical Institute in 1961 and his B.S. in electrical engineering from the University of Illinois at Urbana in January 1969. While attending school, Mr. Donaldson did work at Argonne as a research technician.

RUTH I. DRUSCHEL of Aurora brought several years experience in office work to her position as Clerk in the Accounting department. She attended the Metropolitan Business School in Chicago.

GERALD J. DUFFY who heads the programming group in the Theory Section, came to NAL from Phoenix, Arizona. Mr. Duffy received his B.S. in mathematics from Loyola University in 1954, M.S. in mathematics from DePaul University in 1956; he did additional post graduate work at Northwestern University in 1955 and DePaul in 1957. He is a member of the Association for Computing Machinery and the American Nuclear Society.

GEORGE EASTLAND, Instrument Machinist with Technical Services is not only new to NAL, but also to the United States, having just come to this country in 1968. Mr. Eastland is a former resident of Beloit, Wisconsin and is now in the process of moving his family to this area. He attended apprenticeship school at Vickers' Armstrong Ltd., Newcastle upon Tyne, England and received his certificate in engineering in 1953.

WILLIAM O. FRAY joined Technical Services as a Clerk for the Downers Grove Machine Shop. Mr. Fray attended school in Barrington, Illinois and is a resident of Geneva.

JOEL G. FRIEDL of Western Springs is a former Argonne employee. He has joined the Beam Transfer group as a Draftsman. Mr. Friedl received his Associate of Arts degree in engineering from Lyons Township Junior College in 1964 and in 1968 his B.S. in tool engineering from Chicago Technical College.

ARTHUR D. GILBERTSON of Elgin had the distinction of being the first person hired by NAL in 1969. He is a Technician with the staff of the Main Accelerator and comes to us after spending the past eight years in the U.S. Navy where he received training in Reactor Theory and operational training for Nuclear Prototype.

RICHARD H. GORSKI is a new Instrument Machinist with Technical Services. He attended school in Dundee, Illinois and is a resident of Batavia, Ill. Mr. Gorski has several years experience in the machinist trades and was previously with Griffith Tool Company.

ALAN C. GUTHKE came to NAL from the Brookhaven National Laboratory where he had been a Technician since 1958. He is a Technical Aide with Beam Transfer and is in the process of moving his family to this area from New York. Mr. Guthke received an A.A.S. degree in mechanical technology (1958) from the Long Island Agri. & Tech. Institute, Farmingdale, N. Y..

JACK H. HABERBUSH, Contract Administrator with Contract Administration is a resident of Carpentersville. He is a graduate of the U.S. Navy Radio and Signal School at the University of Chicago (1943) and was previously with Chicago Aerial Industries, Inc. Mr. Haberbush is a member of the Institute of Environmental Sciences and the Business Manager of Florida West Coast IRE.

R. DALE HEFNER, a Technical Aide with Radiation Physics, is a resident of Woodstock. He has completed many courses in electronics and comes to us following a position as Sr. Electronic Technician with Litton Medical Products of Des Plaines.

ROGER E. HILLER of Joliet is a newly appointed Machine Shop Assistant with Technical Services and will work in our machine shop in Downers Grove. Mr. Hiller attended school in Joliet, Illinois.

ROBERT L. HINES, Executive Assistant, Director's Office resides in Park Forest, Ill. He received his Associate of Arts degree in Pre-Vet Medicine (1952) from Muscatine Community College and his B.S. in Animal Science (1955) from Iowa State University.

ARLYN H. LA PORTE of Aurora is a Purchasing Administrator with Material Services. He was formerly with Bell Telephone Lab in Naperville and attended school in Rothschild, Wisconsin.

ELEANOR LEMKE, Food Service Attendant, Personnel, came to NAL from the Bell Telephone Laboratory where she had worked since 1966. She attended school in Naperville and is a resident of that village.

RICHARD MARTIS joined Technical Services as an Instrument Machinist and is a resident of Crest Hill. Mr. Martis attended school in Joliet and came to NAL from the Joliet Army Ammunition Plant where he was a machinist.

RUDOLF F. NESSEN, Engineer with Beam Transfer, is in the process of finding a home in this area. He received his B.S. in 1954 from the Mechanical Engineering College in Copenhagen, Denmark, and attended Stanford University, Palo Alto, California in 1967. Between 1958 and 1962 Mr. Nissen was at Brookhaven and since that time has been with W.M. Brobeck & Assoc. in California.

GEORGE J. NOSAL, JR., Draftsman with Linac, lives in Chicago. He attended Southeast Jr. College and Bogan Jr. College in Chicago and has been a draftsman since 1962.

CARL H. OHRN, Instrument Machinist with Technical Services came to NAL from Wesco Tool Company. He graduated from the U.S. Navy Machinist Mate School in 1947 and Toolmaker Apprentice School in 1950. Mr. Ohrn is a resident of Wheaton.

MARGARET PEARSON is a new Secretary with Public Information. She received her B.A. from the University of Minnesota in 1945. Mrs. Pearson is a resident of Wheaton.

MAE RIGGS of Joliet is one of our new Food Service Attendants working in the Personnel group. She attended school in Partridge, Kansas and has been in Food Service since 1962.

THOMAS L. SCHMITZ of Batavia is a Draftsman with Radio Frequency. He attended the University of Illinois in Champaign and also Monmouth College in Monmouth. Mr. Schmitz is a member of the Board of Trustees and the Treasurer of the Congregational Church of Batavia.

MICHAEL F. SHEA, Physicist, has been appointed to the staff of the Booster group. In 1955 he received his B.S. degree in physics from St. Procopius College, Lisle and in 1960 his Ph.D. in physics from the University of Notre Dame. He was listed in "Who's Who in American Colleges & Universities" in 1955 and in "Outstanding Young Men of America" in 1968. Mr. Shea is a resident of Downers Grove.

JOHN P. SIMON, Engineer, Beam Transfer, resides in Glen Ellyn and was formerly with Argonne. He received his B.S. degree in mechanical engineering from the Illinois Institute of Technology in 1949. Mr. Simon is a member of the American Nuclear Society.

NEHEMIAH T. STEMMONS of Batavia joined the staff of Village Services as a Driver. He attended school in Springfield, Illinois and has many years experience as a professional truck driver.

JAMES M. STEPHENSON of Lockport, Illinois is a new Engineer with the Booster section. He received his B.S. in electrical engineering from Purdue University in 1959, and his M.S. (electrical engineering) from the University of Southern California, Los Angeles in 1961.

ARTHUR H. STRECCIUS, Engineer with A-E & Site Planning is a resident of Prospect Heights, Ill. Mr. Streccius received his B.S. in industrial management from DePaul University in 1951.

HERMAN J. STREDDE, Designer with Beam Transfer, resides in Aurora, Ill. Mr. Stredde has taken engineering courses at St. Procopius College and Joliet Jr. College.

JOSEPH S. VOLANT is a new Draftsman with Village Services. He attended school in Franklin Park, Ill. and brings with him approximately 10 years drafting experience. Mr. Volant lives in Streamwood, Illinois.

DONALD J. WASTEL of North Aurora joined Technical Services as an Instrument Machinist. Mr. Wastel attended school in Naperville and brings with him 15 years experience in the machinist trades. He was previously employed at National Metalwares in Aurora.

DAVID T. WILSON, Machine Shop Assistant with Technical Services is a resident of Aurora. He attended DeVry Technical Institute and has experience in the machinist trades.

ROBERT L. WRIGHT joined Material Services as a Warehouseman. He will be working in Batavia at our warehouse there. Mr. Wright resides in Batavia having recently moved from Springfield, Ill. He received a woodshop certificate from Feitshans in 1958.

Speaker's Platform Requests Mount

NAL is receiving more and more requests for speakers from community and academic groups. Some recent appearances: Donald R. Getz, Assistant Director of the Laboratory at the Batavia Jaycee Bosses' Night and the Batavia Boat Club; Cyril D. Curtis, Laboratory physicist, at the Fox Valley Astronomical Society; Charles D. Marofsky, Personnel Director of the Laboratory, at the Warrenville Chamber of Commerce.

NAL Ladies Plan Luncheon At Pheasant Run April 24

This column concerns the activities of the NATIONAL ACELEBRATOR LABORATORY WOMEN'S ORGANIZATION (NALWO), the purpose of which is to provide hospitality and fellowship among all women associated with the laboratory.

NALWO EXECUTIVE COMMITTEE:

Honorary Chairman Jane Wilson
Chairman Rosemary Billinge
Vice Chairman, Newcomers Janet Read
Vice Chairman, DUSAF Peggy Lemon
Secretary Lois Livingston
Treasurer Rosemary Cole

All NALWO ladies are invited to the next function - a Dutch Treat Luncheon to be held at Pheasant Run on April 24th at 1:00 p.m. Cost will be \$3.60 per person. Reservations must be made in advance by sending check or money order by April 10th to Janet M. Read, 614 North Wheaton Avenue, Wheaton, Illinois, 60187. Your check or money order should be made payable to Janet M. Read. Pheasant Run is located approximately three miles west of Highway #59 on Highway #64 (North Avenue). Guests are to go to the Main Lodge at Pheasant Run where information will be posted giving the location of the room where the luncheon will be held.

Twenty-two NAL people spent an enjoyable evening on January 31st dining at the Farmer's Daughter in Orland Park. Both American and Continental dishes were on the menu.

On March 1st a second dining event was held when Greek fare was the order of the day. The "taverna" chosen was the Greek Islands Restaurant in Chicago. Dishes served included Souvlaki, Stuffed Vine Leaves, and Mousada, prepared by Chef Filandros. The eastern atmosphere was further enhanced by the wine Ouzo and Greek folk music.

Interested persons are urged to contact Rosemary Billinge, 469-9093 with ideas for favorite restaurants.

NALWO Activity Groups:

ANTIQUÉ COLLECTORS - Plans are being made for "antiquing" trips. Contact Mary Sandberg, 1416 N. Loomis, Naperville, Illinois, Phone 355-3312.

ARTS AND CRAFTS - An idea exchange and display of craft and art items will be held at the next meeting on March 26th at Tish MacLachlan's residence, 737 Forest, Geneva, Illinois. Phone 232-2273.

BRIDGE - More members would be a welcome addition to the two tables already formed. Next meeting will be held at Nancy Teng's, 503 North Bruner, Hinsdale, Illinois. Persons interested in beginner's bridge or couple's bridge please call the Bridge Chairman, Ruth Shoemaker, 469-7592.

GOURMET GROUP - Met on March 25th at 10:00 a.m., 21 Sauk Blvd., the Village.

LITERATURE - Rosemary Billinge will conduct the next meeting which will be held April 15th, 21 Sauk Blvd., the Village at 1:00 p.m. The books to be

discussed are "The English" by David Frost and "America and Americans" by John Steinbeck.

MUSIC - Folk Songs from several countries were heard on the "Music for Fun" program on March 19th at 8:00 p.m. at the home of Natalie Nezrick, 409 McKinley Street, St. Charles, Illinois. Those attending are urged to bring musical instruments.

NATURE AND SPORTS - Plans are being made for a family outing on a Sunday afternoon in April. Those interested should contact Chairman Bonnie Hubbard, 622 Newton Avenue, Glen Ellyn, Illinois. Phone 469-8037.

SEWING GROUP - The meeting was held at Teddy Allen's residence, 925 Michigan Street, Wheaton, Illinois on March 21st from 9:30 to 11:30 a.m.

Anyone interested in learning more about the NALWO Activity Groups should contact Nancy Carrigan, Activities Chairman, 1703 East Illinois Street, Wheaton, Illinois 60187. Phone 653-2269.

Red Cross Slates First Aid Classes For NAL Employees

by Dorothy Poll, R.N.

The American Red Cross will conduct First Aid Classes on the NAL site for the benefit of NAL employees and for outsiders who may be interested. Classes will start the first week in April and will meet once a week from 7:00 to 10:00 p.m. The first course will be for a five-week period. An advanced class will follow for an eight-week period. Contact Dorothy Poll, Extension 232, or Reid Rihel, Extension 303.

A free seminar series on First Aid will be held at the Northern Illinois Gas Company, Rt. 59 and the Tollway, starting Friday, April 11th. This is a five-week course meeting on Fridays from 9:00 a.m. to 5:00 p.m. An instructor's card will be issued to students completing this course. For more information, contact Dorothy Poll, Extension 232.

NAL now owns an ambulance, shortly to be equipped for emergency care during transportation to a hospital.

80 Join ANL Credit Union

The Argonne Credit Union facilities were made available to NAL employees beginning January, 1969. Right now about 80 NAL employees are currently credit union members.

The Credit Union offers an economical and convenient way to borrow and save money. Through payroll deductions, members may pay back loans or save money with the convenience of having deductions taken from their weekly or monthly paychecks.

Where We Live

NAL staff members reside in 69 cities, towns, villages, and rural areas in the Chicago metropolitan area. Following is a list of the communities in which they live. The list covers the period to February 25, 1969 and was provided by Mrs. Gloria Moore, Personnel:

Addison	2	Maywood	7
Arlington Heights	1	Melrose Park	1
Aurora	36	Merrionette Park	1
Barrington	1	Naperville	22
Bartlett	1	Newark	1
Batavia	15	New Lenox	1
Berwyn	1	North Aurora	4
Boulder Hill	1	Northlake	1
Brookview	1	North Riverside	3
Brookfield	2	Oak Brook	2
Carpentersville	1	Oak Lawn	2
Chicago	50	Oak Park	2
Cicero	2	Oswego	1
Clarendon Hills	4	Palos Heights	1
Crest Hill	1	Park Forest South	1
Downers Grove	13	Plainfield	1
Elgin	7	Prospect Heights	1
Elmhurst	3	Riverside	1
Geneva	11	St. Charles	5
Glendale Heights	1	South Holland	1
Glen Ellyn	16	Streamwood	2
Harvey	1	Villa Park	10
Hickory Hills	1	Warrenville	6
Hinsdale	4	Wayne	1
Homewood	1	West Chicago	8
Itasca	1	Westchester	2
Joliet	16	Western Springs	2
Kankakee	2	Westmont	4
LaGrange	7	Wheaton	21
Lebanon	1	Winfield	6
Lemont	1	Wood Dale	1
Lisle	11	Woodridge	4
Lockport	9	Woodstock	1
Lombard	11	Yorkville	2
Lyns	1		

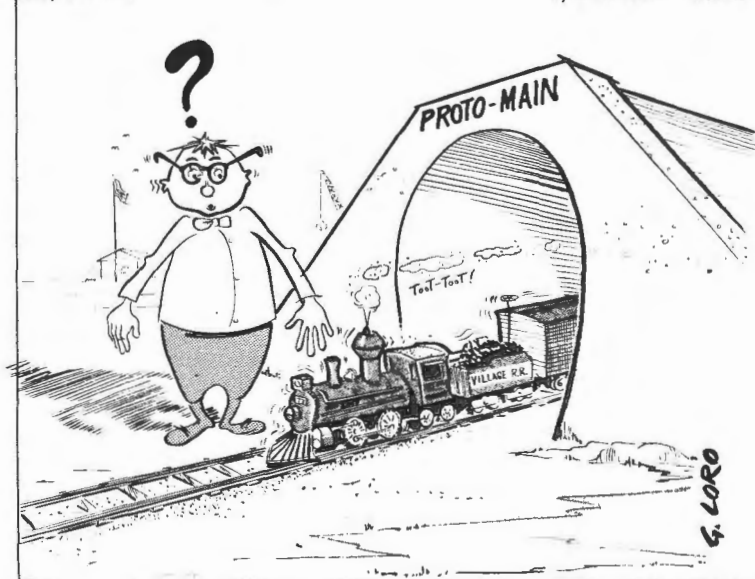
Batavia Folklore

One hundred years ago, the little settlement of Batavia, Illinois was known as "Head of the Big Woods." The town's present name was given by Judge Isaac Wilson, one of the first settlers, in honor of Batavia, New York, Wilson's home city...Batavia has also been known as Rock City because of the fact that many tons of limestone were quarried from more than half a dozen pits in the area...Batavia at one time was also known as the Windmill City because of three large factories in the city which manufactured windmills.

The Busy Scientists

The following is extracted from the biography submitted to the Public Information office recently by one of NAL's senior scientists: "Recreational or diversional interests: "Filling out forms"

Stray Particles



by Geno Loro — DUSAF

Swim, Golf On Village Sports Schedule

A variety of social and recreational activities for NAL employees had been planned and directed by the NAL Social and Recreation Committee. Mixed Bowling will continue until April. Arrangements are being completed for a men's golf league which will play at the Fox Valley Country Club. A family swim night will be held at the pool at Marmion Academy on Butterfield Rd. on March 26th from 7:30 p.m. to 9:30 p.m.

On March 3 the Laboratory began using the gymnasium facilities at the Indian Plains school located on Eola Road. There was a fine turn-out of the Laboratory's finest athletes, who participated in two and one half fun-filled hours of basketball and volleyball. Again on March 10 these same facilities were utilized, and a larger group took part in the activities.

The gym has been reserved on March 24 and 31, between 5:30 and 8 p.m. Everyone is invited to take advantage of this opportunity to exercise through enjoyment.

Members of the Committee are Reid Rihel, Village Management, Chairman; Ralph Wagner, Personnel, Golf Chairman; Jim Thompson, Personnel, Gym Activities; Al LaPorte, Purchasing, Golf Co-Chairman; Bill Pear, Construction, Publicity Chairman; Joyce Arado, Recording Secretary; Margaret Kasak, Linac, and William Tobias, Model Shop.

NAL Village Directory

The pioneer edition of the NAL Village Directory, listing staff addresses and telephone numbers and providing other information, will be issued in several weeks. It features photographs of more than 300 NAL employees. Maps locating the Laboratory in relation to Chicago and O'Hare International Airport also are included.



22 Trainees Join New Village Job Program

OAK RIDGE, Tenn.—Twenty-two young men from the Chicago metropolitan area are taking part in a new program here after being selected by the National Accelerator Laboratory.

The program is designed to train unemployed and underemployed minority group members to fill skilled jobs at the NAL Village near Batavia, Illinois.

The pilot program, for the first time, will link the efforts of two AEC operations to train the disadvantaged men. The program is being supported at a cost of \$137,000 through an interagency agreement between the Atomic Energy Commission and the U.S. Department of Labor under the Manpower Development and Training Act.

Under the agreement, NAL recruited the young men and is assuring skilled jobs for them. The men are being trained for jobs at NAL through the Training and Technology Project (TAT) conducted at AEC facilities in Oak Ridge, Tennessee.

The Trainees are Negro men between the ages of 18 and 30. Nearly all are from the inner-city of Chicago.

The group departed February 9, 1969 by plane for Oak Ridge after completing a two-week orientation program directed by the NAL Personnel Office.

Utilizing the already existing TAT project at Oak Ridge, personnel staff of NAL and the AEC Chicago Operations Office developed this effort to improve economic opportunities for young men while at the same time meeting the manpower needs of the Laboratory.

Charles F. Marofske, manager of personnel at NAL, said:

"At present, NAL does not have the facilities to prepare disadvantaged or others to become qualified for the many technical staff openings that will develop as construction and research at the Laboratory moves ahead. However, we do have a strong commitment to provide opportunities for minorities at all levels of the Laboratory, and we are pleased by this opportunity to cooperate in an unusual and promising endeavor with one of the AEC facilities at Oak Ridge."

It was a sunny day at O'Hare Field February 9 when 22 young men from the Chicago metropolitan area departed for Oak Ridge, Tenn., as NAL trainees in a new program for minority group members. (Photo by Tony Frelø, NAL)

Kenneth A. Dunbar, manager of AEC's Chicago Operations Office, called the program an exciting innovation. "We feel fortunate that we will be able to train these young men for work at NAL in the modern, industrial setting afforded through the TAT program." He cited the work of NAL as well as that of Louis M. Groeniger, his assistant for equal opportunity, in establishing the program.

Each of the trainees will have a job waiting for him at NAL after he completes the course prescribed for him by the TAT staff at Oak Ridge. They are to be trained in various disciplines required for the staffing of NAL -- as machinists, welders, electronics technicians, draftsmen or mechanical technicians.

Benefits Cited

In cooperation with their future supervisors at NAL, the trainees are to be evaluated and placed on jobs as soon as they appear to be ready for full-time assignments at the Laboratory. The training period at Oak Ridge will vary for each member of the group, but it generally will run from 13 to 36 weeks with the average period expected to be about 30 weeks.

The TAT project is operated by Oak Ridge Associated Universities, (ORAU), in cooperation with Union Carbide Corporation. Wendell H. Russell, of ORAU, is director of the project. The training will be conducted in an industrial setting at AEC's Y-12 plant in Oak Ridge. The plant is operated by the Nuclear Division, Union Carbide Corporation, which provides the skilled personnel to serve as training staff.

Direct shop instruction will also be supplemented with individual counseling and extensive classroom and directed study in trade-related industrial mathematics, communications and science by ORAU.

The trainees reported at NAL January 27, 1969, and took part in an orientation program directed by Kennard Williams, Equal Employment and Community Relations Officer of the Laboratory, and Marvin Childress, of DUSAF, the joint venture serving as architects-engineers for the Laboratory. Both escorted the trainees to Oak Ridge to provide support services for the group during their first week at the TAT school there.

Thomas Allen, of the TAT staff,

also took part in the orientation program at NAL. Periodic visits to Oak Ridge will be made by members of the NAL personnel and technical staffs to review the trainees' progress and to assess how future programs of this type should be shaped.

It is expected that the trainees will be assigned eventually to various NAL groups such as the machine shop, the linear accelerator, radio-frequency, main ring, research facilities, booster, beam transfer, and radiation physics.

Recruiting Effort Praised

Marofske thanked the DUSAF recruitment team, directed by Malcolm Lee, for its "thoughtful and aggressive" effort to locate qualified candidates for the new program. Lee and his colleagues interviewed more than 100 potential applicants at offices located in Chicago's inner-city areas. Young men who appeared to be both motivated by and interested in the project and qualified for jobs at NAL after training were sent to the NAL Village, near Batavia, for further interviews.

This process took place over a two-month period, Marofske said. James Thompson, of NAL's personnel office, worked with Lee in arranging the interviews and screening candidates.

Each trainee will make a short return trip to Chicago from Oak Ridge at the time when his training in Oak Ridge is judged to be about two-thirds completed. During this period, he will meet with his future supervisor at NAL to determine the focus for the balance of his training. TAT plans to assign a full-time staff member for a three-month follow-up to assure satisfactory completion of the project. A dormitory counselor also will be provided to supervise the extra curricular activities.

Here is a list of the 22 young men selected by NAL to take part in its new program to train unemployed and underemployed minority group members to fill skilled jobs at the Laboratory.

1. Jimmie Bondurant, 19 years old, of 2150 Lawndale, Chicago. A graduate of the Central YMCA High School; interested in electronics. He is married and the father of two children.

2. Clarence Bowling, 24 years old, of 8816 S. Indiana Avenue, Chicago. A graduate of Harlan High School; interested in electronics.

3. Curtis Bridges, 21 years old, of 2219 East 84th Street, Chicago. A graduate of Hyde Park High School, Chicago; two years of college; interested in mechanical technician's work.

4. Cutchlow F. Cahill, 20 years old, of 707 E. 93rd Street, Chicago. A graduate of Harlan High School; interested in electronics.

5. John Cooper, 30 years old, of 5026 S. Forrestville, Chicago. Interested in electronics.

6. David Foreman, 19 years old, of 14821 Hoyne, Harvey. A graduate of Thornton High School; interested in electronics.

7. Theophilus Gordon, 20 years old, of 8810 S. Indiana, Chicago. A graduate of Harlan High School; interested in mechanical technician's work.

8. Donald Hampton, 18 years old, of 8050 S. Oglesby, Chicago. A graduate of Calumet High School; interested in mechanical technician's work.

9. Roy L. Justice, 18 years old, of 4747 S. State, Chicago. A graduate of Dunbar High School; interested in electronics.

10. Robert Knowles, 18 years old, of 3919 S. Federal, Chicago. A graduate of Wendell Phillips High School; interested in electronics.

11. Halbert Landers, 20 years old, of 5627 S. Maryland, Chicago. Attended John Adams High School; interested in machine shop work.

12. Bobby McNeal, 19 years old, of 1055 E. 132nd Street, Chicago. A graduate of Chicago Vocational High School; interested in mechanical technician's work.

13. James Pellebon, 20 years old, of 3653 S. Federal, Chicago. Attended Parker High School; interested in mechanical technician's work. He is married and has one child.

14. Ronnie Reed, 19 years old, of 749 E. 131st St., Chicago. A graduate of G. W. Carver High School; interested in drafting.

15. Gilbert Robinson, 18 years old, of 13144 Corliss, Chicago. Attended Thornton High School, interested in drafting.

16. Russell Roseman, 24 years old, of 9731 S. Wentworth, Chicago. A graduate of G.E.D.; interested in drafting.

17. Jeffery Ruffin, 19 years old, of 3739 S. Federal, Chicago. A graduate of Wendell Phillips High School; interested in mechanical technician's work. He is single and has one child.

18. Nelson Sample, 20 years old, of 7800 S. Laffin, Chicago. A graduate of Carter High School,

Brandon, Mississippi; one year of vocational school; interested in machine shop work.

19. Elbert Smith, 25 years old, of 5840 S. Prairie, Chicago. A graduate of Lincoln High School; one year of vocational school; interested in electronics.

20. Edward Stitts, 19 years old, of 3919 S. Federal, Chicago. A graduate of Dunbar High School; interested in electronics.

21. Gadis Wesley, 19 years old, of 3745 S. Indiana, Chicago. A graduate of West Phillips High School; interested in electronics.

22. Theophilus Young, 20 years old, of 510 N. 61st Place, Chicago. A graduate of Englewood High School; one year of college; interested in mechanical technician's work.

Inner-City Youth Visit

Sixty boys and girls from Chicago's Lawndale area toured the NAL Village March 14th. The students were welcomed by Edwin L. Goldwasser, NAL's deputy director, and by Thomas Downs, DUSAF's chief architect. The visit was arranged by Kennard Williams, NAL Equal Employment Opportunity Officer, as part of a continuing effort to stimulate interest in the physical sciences among minority group students.

Classified Ads

This classified section may be used only by active employees of NAL, DUSAF, & AEC. Ads must be submitted by the 10th of each month. Ad copy should be restricted to 20 words or less and typewritten. All items for sale or rent must be the property of the person submitting the ad. It must be understood that houses, apartments, or rooms for sale or rent must be available without regard to race, creed, color, or national origin. No ads will be accepted for resale in connection with a commercial enterprise. The Crier reserves the right to review all ads submitted for publication. Copy should be sent to Gloria Moore, Personnel, 14500 S. Boulevard.

For Sale:

1966 OLDS Dynamic 88 P. B. P.S. Perfect Condition \$1550 964-3780

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7.35 x 15 General Tire - White Wall - New - \$10 - BR. 9-4207

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