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PLAN PROGRAM FOR INCREASED MINORITY PARTICIPATION IN PHYSICS

There is a conspicuous shortage of Blacks, Chicanos and American Indians in the various areas of physics.

The intellectual community is not unaware of this state of affairs and steps are being taken to correct, over the long range, this lack of opportunity for minority members in this esoteric discipline of the physical sciences.

Recent statistics show that the number of physicists in the country has increased from 20,348 physicists in 1960 to about 30,000 in 1971. It is estimated that the percentage of Blacks in this field per year remains at about 1.5%. This would put the number of Blacks in physics at the present time at about 465, showing an increase of roughly 15 Blacks in this field per year since 1960. Only a small fraction of these hold the Ph.D. degree. (At present, the figure is somewhere in the neighborhood of 50 Blacks.) The number of Chicanos and American Indians in physics is believed to be very much smaller, with an even smaller percentage holding the Ph.D.

The static trend in the number of Black physicists and the seriously limited educational opportunity in this field in our predominantly Black educational institutions are mentioned in a recent report by Dr. Carl Borgmann of the Ford Foundation. He points out that in 1962 only six of 63 predominantly Black colleges and universities in the South showed graduating physicists with the bachelor's degree, according to U. S. Office of Education statistics.

These institutions graduated only 18 baccalaureated in physics, none in geology, 173 in chemistry, 486 in mathematics, and 563 in biology. The high schools from which these persons come have a long history of weak and limited educational programs in the sciences and mathematics and are believed largely responsible for the lack of interest in the fields as shown by the students. The long history of segregation is well recognized as the cause and result of many of the poor positions of Blacks, Chicanos, and American Indians relative to whites.

A national representation of colleges and universities, in cooperation with NAL, have agreed to combine their talents and resources in a concentrated effort to increase the minority participation in physics as a career. All of the institutions have a history of special and traditional interest in the educational development of minorities.

The participating colleges and universities expect to provide academic-year instruc-



....Dr. Warren E. Henry, Chairman, Committee for Minority Participation in Physics, (right), is greeted on visit to NAL by Warren Cannon and Kennard Williams, NAL EEO staff members....

Photo by Tony Frello, NAL

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tional programs for physics majors while NAL, it is hoped, will provide summer work (on-the-job training) in physics in a special program to enhance the education of the selected minority participants drawn from both faculties and student bodies at various colleges and universities.

Support from either private or public sources is being sought to finance the education (four years including summers) of a minimum of one physics major at each of the following educational institutions:

Alabama Agricultural and Mechanical University, Normal, Alabama; Bishop College, Dallas, Texas; Federal City College, Washington, D. C.; Florida A. & M. University, Tallahassee, Florida; Fisk University, Nashville, Tennessee; Fort Lewis College, Durango, Colorado; Howard University, Washington, D. C.; Jackson State College, Jackson, Mississippi; Lincoln University, Jefferson City, Missouri; Lincoln University, Lincoln University, Pennsylvania; Navajo Community College, Many Farms, Arizona; New Mexico Highlands University, Las Vegas, New Mexico; New Mexico State University, Las Cruces, New Mexico; Norfolk State College, Norfolk, Virginia; North Carolina A. & T. University, Greensboro, North Carolina; Southern University, Baton Rouge, Louisiana; Tuskegee Institute, Tuskegee, Alabama; University of New Mexico, Albuquerque, New Mexico; Virginia State College, Petersburg, Virginia.

It is believed that the central geographic location of NAL and the varied geographical locations of the participating educational institutions will provide the national scope that is desirable for maximum impact on increasing the number of Blacks, Chicanos and American Indians in physics.

In late July, NAL was visited by Dr. Warren E. Henry, who is serving as Chairman of the recently-formed Committee for Minority Participation in Physics. He is Chairman also of the Department of Physics, Howard University.

The Committee for Minority Participation in Physics was formed as a result of a seminar held at NAL in December, 1970. It has received "seed money" for organizational purposes from the Universities Research Association, Inc., of Washington, D. C., which operates NAL for the U. S. Atomic Energy Commission.

Dr. Henry recently spent two days visiting with each of the 15 minority group summer students at NAL. He met with their supervisors and group leaders to discuss the students' work assignments. He spent two evenings at North Central College's dormitory in suburban Naperville, where many summer students are residing.

Vice-Chairman of the Committee for Minority Participation in Physics is Dr. Fred Norwood, Physicist, Sandia Laboratories, Albuquerque, N. M.; Dr. Howard J. Foster, Professor and Chairman, Department of Physics and Mathematics at Alabama Agricultural and Mechanical University, is director. Kennard R. Williams, NAL, is coordinator.

HAPPY HOUR SCHEDULE FOR AUGUST, SEPTEMBER AND OCTOBER

The first Happy Hour sponsored by the NALREC, Inc. committee was held in the Village Barn on Wednesday, August 11th. Following is a list of the dates of Happy Hours coming up in the next three months: Wednesday, Aug. 25; Wednesday, Sept. 8; Wednesday, Sept. 22; Wednesday, Oct. 13; Wednesday, Oct. 27. The events will be held in The Village Barn from 5:00 to 6:30 p.m.

New prices are now in effect for the Happy Hours. Tickets are 35¢ each or 3 for \$1. Beer will cost 1 ticket; mixed drinks, 2 tickets. Old style draught beer will be served.

Regulations of the NALREC, Inc. organization prohibit the sale of beer or hard liquor to anyone under 21 years of age. Minors will be admitted, but will not be served intoxicating beverages. Soft drinks will be available.

IT'S TIME TO REGISTER FOR FALL COLLEGE CLASSES

Here's a reminder for the Fall term:

All full-time regular and term employees of the Laboratory are eligible for participation in the tuition reimbursement program. Any degree program or formal course which the Laboratory deems appropriate and relevant to the employee's career will be approved for reimbursement.

Reimbursement is contingent upon the receipt of a grade accepted by the school for credit or statement of satisfactory completion from the school. Full reimbursement will be made for tuition, textbooks, laboratory fees and like expenses minus any other reimbursement payments received by the employee toward the cost. For further information, an employee should contact his supervisor.

Copies of catalogs for both public and private colleges in the area may be inspected at the Employment House at 21 Sauk in the NAL Village.

William Butler, Personnel, is in charge of employee education and development. His office has provided more than 150 NAL employees tuition reimbursement under the program to date. Butler reminds NAL employees that the registration dates for local colleges and universities are approaching. A partial list follows:

Aurora College, Aurora - Aug.30, 31
Sept. 1, 2, 7.

College of DuPage, Glen Ellyn-By appt. only
Starting Aug. 2.

College of St.Francis, Joliet-Now til Aug.30.

Elgin Comm.College, Elgin - By appt. only.

Elmhurst College, Elmhurst-Day:Tues.,Sept.7
Night:Aug.21,Sept.2, 3.

George Williams College, Downers Grove-
Sept. 27 & 28.

Ill.Benedictine College(St.Procopius) Lisle
Full time-Aug.30, 31

Part time-Aug.26,27 & 28

Joliet Jr. College, Joliet - Sept. 8 & 9

Judson College, Elgin - August 31

North Central College, Naperville-Sept.11

Northern Ill. Univ., DeKalb -Sept.8-10

Waubensee Comm. College, near Aurora -
Sept. 9-14

Wheaton College, Wheaton - Sept. 16 & 17

AEC AREA OFFICE NOTES - By Minerva H. Sanders

John Kiefer departed for a new and better position in the Division of Contracts at our Headquarters Office, Washington, D. C. Before leaving, however, Jack and his lovely wife, Karen, were the honored guests at a dinner held at the King's Palace Steak House in Lisle. The hi-light of the evening was the short talk by our CH Manager, Kenneth A. Dunbar. Our Area Manager, K. C. Brooks and F. C. Mattmueller, Deputy Area Manager, also gave short talks. Presentations of Jack's gifts, which included an attache case and fishing pole and reel were made by Ron Zeitler, Kellogg Morton and Marilyn Bailey. We wish the very best success for the Kiefers on their new venture. (How about those hot pants, Marilyn Figlik - Hollywood will be calling any minute now!)



...John Kiefer...

VACATIONERS: Andrew Mravca and his family just returned from a fishing trip at Silver Lake, Wis. Yes, you guessed it--he told us AGAIN about the big one that got away. Kellogg Morton spending his vacation baby-sitting while Gloria brings home the bacon. Ruby Bland entertaining her sister, Gola, from Nashville, Tennessee. Gola baked us a delicious cake when she was here last year, so Marilyn has been hinting about her "sweet tooth". Loretta Miller spending time with her nephew, Gary, who is visiting from Atlanta, Georgia. Frank A. Durckel, resting at home but ready to pick up and leave on a moment's notice if the "little lady" says so. Rest good, Frank, because we've loaded your basket with plenty of work.

We send get-well greetings to our boss, Kennedy C. Brooks. We know you will be back on the job soon, because as the saying goes "You Can't Keep A Good Man Down."

NEW ON NAL BOOKSHELVES

Following is a list of several books recently received at the NAL Library:

Introduction to the Special Theory of Relativity, Claude Kacser, Prentice-Hall, 1967; International Encyclopedia of Unified Science, Chicago Press, 1955; Scene of Change, Warren Weaver, Scribner, 1970; Benefit Plans in American Colleges, William C. Greenough, Columbia Press, 1969; Gregg Shorthand Dictionary Simplified, John Robert Gregg, McGraw-Hill, 1949.

COMING EVENTS: NAL PICNIC - SUNDAY, AUGUST 29

Happiness is a day at the Lab when all systems are go for really accelerating in FUN, GAMES, RIDES and FOOD. Plan to attend the NAL Family Picnic, August 29, 1971 in the Village. If you would like to help a little, contact Eric Jarzab, Ext. 415.

Both hard cover and paperback books are needed to furnish housing units being completed for visiting scientists on the NAL site. Do you have any extra ones at home? Also, do you have any paintings that you might wish to donate to NAL for inclusion in a "pool" of such works to be used by visitors to decorate their austere rooms? If so, please contact Roger Thompson, NAL Librarian, who is working with the Housing group on adding some renaissance-like touches to the apartments and rooms being developed at NAL for visitors.

BASEBALL: An NAL employee's baseball outing will be held Sunday, August 22, at Wrigley Field in Chicago. The Chicago Cubs are scheduled to play the Houston Astros that afternoon. Fifty tickets for the outing are being sold by Ralph Wagner, Personnel; Doug Maxwell, Radio Frequency; and Bob Kolar, Main Ring, Cross Gallery. Tickets are \$5 per person; they include admission, bus fare and refreshments. Checks should be made payable to Nalrec, Inc. A bus will leave the NAL Cafeteria at 10:30 a.m. Free beer and refreshments will be served on the air-conditioned bus. Tickets will be sold on a first come, first served basis.

CONGRATULATIONS! Muzzafer and Ayfer Atac on the birth of their daughter, Elizabeth Tulay, at the Delnor Hospital, St. Charles, on Tuesday, July 27. Atac is a physicist in the NAL Experimental Facilities section. They reside in Wheaton.

CLASSIFIED ADS

FOR SALE: Triumph T-R4A/IRS, Wire Wheels, New top, Tonneau Cover, AM Radio, Tires-Body Good, Excellent running condition. 39,000 mi. \$1,495. Call K. Bourkland, 312-357-4134.

FOR SALE: Schwinn Exercise Bike with speedometer, Timing Bell & Pressure Adjuster for the wheel. Contact Bale at Ext. 711.

FOR RENT: Vacation home, New Port Richey, Fla. West Coast. Completely furnished 3 bedroom on river, 10 min. from Gulf. Boating, fishing, swimming. Weekly or monthly. W. Riches, Ext. 771.

WANTED TO RENT: Family of 8 needs 4 bedroom home or farm house. Handy man will repair for reasonable rent. Call George, Ext. 575.

WANTED TO BUY: 10 Speed Men's Racing Bicycle. M. Morgan, Ext. 781 or 448-1838.

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