

The Village Courier



national accelerator laboratory

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THE FY 1972 BUDGET OUTLOOK

President Nixon, in his Budget message last week, requested Congress to include \$48,000,000 in the U.S. Atomic Energy Commission's appropriation for Fiscal Year 1972 to continue construction at NAL. In addition, \$11,900,000 in FY 1972 operating funds for the Laboratory was requested. The appropriation for FY 1971, which ends next June 30, was \$60,000,000 for construction at NAL. Earlier, Congress had authorized an expenditure total of \$250,000,000 for NAL's construction.

Dr. Paul W. McDaniel, AEC's Director of Research, spoke glowingly of progress at NAL and said that the Laboratory had an excellent "esprit de corps" that contributed to its smooth development, the Copley News Service said in a report from Washington on an AEC news conference held in connection with the President's message to Congress.

NAL JOINS IN PARTICLE ACCELERATOR CONFERENCE

Lee C. Teng, Accelerator Theory, NAL, is Program Chairman for the 1971 Particle Accelerator Conference to be held Monday, March 1 through Wednesday, March 3 at the Pick-Congress Hotel in Chicago.

Purpose of the conference is to promote and facilitate communication among accelerator engineers and scientists in planning, design, construction or operation of various types of particle accelerators. Similar meetings were held earlier in Washington, D.C. in 1965, 1967, and 1969. Proceedings will be published in the "Transactions on Nuclear Science," sponsored by the Institute of Electrical and Electronics Engineers-Nuclear Science Group.

The program will include invited papers, panel discussions and contributed papers on all aspects of accelerator science and technology. It is expected that a number of accelerator specialists from abroad will also take part.

Among invited papers scheduled for the opening plenary session are: "An Engineer Looks at High Energy Physics," by Robert R. Wilson, NAL; and "Relevance of Particle Accelerators to National Goals," by Louis Rosen, Los Alamos Scientific Laboratory. M. Stanley Livingston will preside at the plenary session.

Ernest Malamud, Main Ring, NAL, will give an invited paper on "The Status of the 500-GeV Accelerator." Thomas L. Collins, NAL, will preside at the seminar, "Synchrotrons." He also will participate in a panel discussion on computer control.

Other NAL staff members with papers scheduled are:

- (1) H. Hinterberger, J. Satti, C. Schmidt, R. Sheldon, and R. Yamada, "Bending Magnets of the NAL Main Accelerator."
- (2) R. Cassel, H. Pfeffer, "The Power Supply System, Control, and Response of the NAL Main Accelerator."
- (3) R. Billinge, Q. Kerns, et al., "Initial Operation of the NAL Booster."
- (4) J.A. MacLachlan, Jr., T. Borak, L.C. Teng, "Beam-Abort System for the NAL 500 GeV Synchrotron."

(Continued on Page 2)

NAL JOINS IN PARTICLE ACCELERATOR CONFERENCE (Continued from Page 1)

- (5) C.H. Rode, R.A. Andrews, A.W. Maschke, R.M. Mobley, "Design of the 500 GeV Slow Extracted Beam and Proton Beam Lines."
- (6) W.W. Lee and L.C. Teng, "Beam Bunch-Length Matching at Transition Crossing with Space-Charge Forces."
- (7) Q.A. Kerns and H.W. Miller, "100kW RF Power Amplifier."
- (8) J.E. Griffin and Q.A. Kerns, "NAL Main-Ring Accelerating Cavity Test Results."
- (9) M. Birk, R. Ducar, Q.A. Kerns, and G. Tool, "The RF Control System of the NAL Accelerator."
- (10) L.A. Klaisner, "The NAL Booster Control System."
- (11) Donald E. Young, "Initial Performance of the NAL 200 MeV Linear Accelerator."
- (12) D. Theriot, K. Lee, and M. Awschalom, "Muon Shielding Calculations for 200-GeV Proton Interactions."
- (13) D.C. Carey, R.J. Stefanski, and L.C. Teng, "Wide-Band Neutrino Beams With Quadrupole Focusing."

Bruce Cork, Associate Director for High Energy Physics, Argonne National Laboratory, is conference chairman. Other program committee members include Francis T. Cole and Henry Hintenberger, both of NAL.

The conference is sponsored by the American Physical Society, the Institute of Electrical and Electronics Engineers, National Bureau of Standards, National Science Foundation and the U.S. Atomic Energy Commission.

PROTONS DEFEAT CHEMICALS IN CAGE MIXER

NAL's Protons won their third game in the Naperville YMCA basketball league last week. They defeated the Amoco Chemicals 69 to 55. On Feb. 4 at 8:30 p.m., the Protons will oppose the Netzley Imperials at the Naperville High School's old gymnasium.

FREE: 1971 annual wall calendars, published by the Argonne Credit Union, are available to NAL employees. Contact Ralph Wagner, Ext. 225.

....William G. Fuzak, Director, Organization and Personnel, of the Atomic Energy Commission's Chicago Operations Office, who has been named Coordinator of the Federal Women's Program for the Chicago office, will be advised and assisted by a committee composed of (left to right) Miss Jane Monhart, Mrs. Minerva Sanders and Mrs. Virginia Hummel. Mrs. Janice Svadbik (standing) will serve as Secretary.

Miss Monhart is a Contractor Personnel Specialist in the Organization and Personnel Division; Mrs. Sanders is Secretary to the Area Manager of the 200 BeV Accelerator Facility and Mrs. Hummel is a Technical Assistant to the Manager of the Chicago Operations Office. Mrs. Svadbik is Mr. Fuzak's Secretary.

Mrs. Sanders began her career at AEC in 1965. She is a part-time student at Triton Community College....



Photo by Argonne Nat'l Lab.



....FOREIGN VISITORS: Prof. Bernard Gregory, recently retired as Director General of the European Organization for Nuclear Research (CERN), Geneva, Switzerland, views model of NAL "footprint" area in Curia as RRW explains details. Prof. Gregory visited NAL for two days last week....



....Six members of the French Senate, on a tour of major U.S. research centers and academic institutions, toured NAL Friday, Jan 22. Francis T. Cole (third from right) was their host. The group, with members of the French Consulate General's Chicago office, is shown before NAL Curia site model....

Photos by Tim Fielding, NAL

SHARE INSURANCE TO PROTECT YOUR CREDIT UNION FUNDS

"What does the enactment of the new federal share insurance program mean to me?"

That is the question Argonne Credit Union members are asking now that this insurance on share deposits has become available for the first time.

To the average member, the big fact is that an agency of the U.S. Government will now insure his share account up to a maximum of \$20,000, just as bank accounts are insured by a federal agency. The cost to the Credit Union will be minimal and should not materially affect share dividends.

The Argonne Credit Union, which also is open to NAL permanent employees, has applied for share insurance, and it is expected that coverage will be provided within 90 days.

PERSONALS: Dottie Stevens, Transportation, became the bride of Ed Alderton on Saturday, January 23, 1971 in a ceremony at the First United Methodist Church in West Chicago. The couple will reside in West Chicago after a one-week honeymoon in Denver, Colorado.

Miss Carol Weissert, Material Management Office, and Mr. Jack Jagger, Main Ring, became engaged on December 24, 1970. A September, 1971 wedding is being planned.

A baby boy, Peter Charles, was born on January 15th to Joyce Kiefer, formerly of Accelerator Theory.

Congratulations to all!!!

MARK YOUR CALENDAR: NAL's Adult Swimming Party will be held Saturday, Feb. 6, at 7:30 p.m. at the Holiday Inn, on Rte. 31 in North Aurora. Tickets at \$2.50 per person. Call Jodi Eskey, Ext. 348.

NAL Ski Night at Four Lakes Ski Lodge in suburban Lisle Monday night, Feb. 8. Call Irene Sweet, Ext. 201, for details.

VOLUNTEER HELP WANTED for the NAL Monte Carlo Night (Funny Money Night) to be held in April. Need attendants to run games, etc. Call Doug Maxwell, R.F., Ext. 266.

NAL SAFETY OFFICE LAUNCHES SAFETY POSTER AND PAMPHLET PROGRAM

Ray Brown and Ed Brezina of the NAL Safety Office have set up 20 safety poster and pamphlet frames in strategic points throughout the Main Site, Village, and the West Chicago plant. The safety posters are changed every two weeks by the Safety Office.



....Ed Brezina, NAL Safety Inspector, is shown putting the December pamphlet into the stockroom safety poster rack...

So far, three safety pamphlets -- "Safe Winter Driving," "Tales of Three Wise Men," and "A Moving Story" have been sent out in employees' pay envelopes. The fourth safety pamphlet, called "The Hazard Hunter," will be sent out near the end of February. Shirley Bickel, Payroll, has been very cooperative in making this part of the program very successful. By putting the pamphlets in the pay envelopes, Ray Brown, NAL Safety Engineer, feels that not only will the employee see the pamphlets, but members of each family will have an opportunity to see them also. Brown says that 23% of the total injuries reported nationally are the result of improper lifting methods on and off the job.

CANDLELIGHT BOWL IS SCHEDULED

A Candlelight Bowl will be held Saturday, Feb. 27, at 9:00 p.m. at the Bowling Green in West Chicago. The tariff is \$5.00 per couple. There will be prizes. See your group recreation committee representative by February 23 for reservations.

GARDENERS OF NAL, UNITE!

NAL's serious gardeners are forming a mutual assistance group to discuss plant starts, weed control, and other matters of general interest. Please call Ann Burwell, Ext. 347, or at home, 231-4103.

HERE ARE HAPPY HOUR DATES

Dates have been scheduled for the Happy Hours for the next three months as follows: Thursday, Feb. 11; Thursday, Feb. 25; Wednesday, March 17; Thursday, April 1 and Thursday, April 15. They will be held from 5:00 to 6:30 p.m. in the Village Barn. For further information call Jeff Gannon, Booster, Ext. 467.

CLASSIFIED ADS

FOR SALE - '65 30" G.E. electric self-cleaning stove. \$175. RCA 28" console TV. \$15. Also Voice of Music combination radio and record player \$5. Call H. Clover, Ext. 295.

FOR SALE - 16" RCA portable b&w TV. Contemporary styling with sun screen, 2 yrs.old. Call Al Adkins, Ext. 521.

FOR SALE - 1 base unit C.B. complete with antenna and 75' wire. 1 12-volt C.B. unit complete with antenna. \$100 cash. Call Glenn Smith, Ext. 400.

WANTED - gas space heater, 4 or 5 room size. Call Glenn Smith, Ext. 400 or 896-9191 after six p.m.

FOR SALE - Starcraft V-hull 15ft. Various accessories. \$800. Contact Bill, Ext. 413.

WANTED - 10 horsepower outboard motor with reserve tank in good condition. Call Dick Biver, Ext. 366.

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