FERMINEWS

娄

Fermi National Accelerator Laboratory

Operated by Universities Research Association Inc. Under Contract with the United States Department of Energy

Vol. 1, No. 4

June 1, 1978



...Chinese physicists pose for photo taken at the Institute of High Energy Physics, Peking. L-R are: Mao Chen-lung, Hsiao Yi-hsuan, Sui Ching-yi, Shen Pao-hua, Chung Hui (Group Deputy Head), Hsu Chien-ming, Hsieh Chia-lin (Group Head), Lee Teng (Fermilab), Wang Shu-hung, Chang Wen-yu, Pan Hui-pao, Chen Sen-yu...

PHYSICS JOINS EAST, WEST

Ten accelerator specialists from the People's Republic of China have begun several months of studies at Fermilab.

The study group's visit is a cooperative venture between Fermilab and the Institute of High Energy Physics of the Chinese Academy of Sciences, and is a result of a personal invitation extended by Dr. R.R. Wilson, Director of Fermilab, to Dr. Chang Wen-yu, Director of the Institute, during Wilson's visit to Peking in 1974

The People's Republic of China plans to build a proton accelerator of 30 to 50 billion electron volts (BeV) energy. The accelerator, to be located near Peking, would enable Chinese scientists to conduct studies in high energy physics.

Leading the visitors is Professor Hsieh Chia-lin, Chief of the Accelerator Division at the Institute. He is a specialist in accelerator physics and design.

Other members of the team are: Dr. Chung Hui, group deputy head and chief of Scientific Research Division at the Institute, an electrical machinery specialist; Dr. Sui Ching-yi, chief engineer, Peking Broadcasting Equipment factory, a high frequency system specialist; Professor Hsu Chien-ming, Institute professor, also

a specialist in accelerator physics and design; and Dr. Mao Chen-lung, engineer, the First Ministry of Machine-Building, a magnets system specialist.

Also, Dr. Pan Hui-pao, Institute engineer, a specialist in mechanical and vacuum engineering; Dr. Shen Pao-Hua, Institute engineer, an electrical power supply specialist; Dr. Wang Shu-hung, Institute scientific worker, a linear accelerator theory specialist; Dr. Hsiao Yi-hsuan, Institute scientific worker, a specialist in particle injection, ejection and transport systems; and Dr. Chen Sen-yu, Institute scientific worker, a specialist in magnet lattice design.

During their stay, the Chinese team will be housed in on-site accommodations for visiting experimenters at Fermilab.

The visit was arranged by Dr. Lee
Teng, a native of China and associate
head for advanced projects, Accelerator
Division, at Fermilab. With his family
Teng returned to his homeland for the
first time in 30 years last October.
During his month-long visit he was a
guest at a reception by Vice-Premier Teng
Hsiao-ping and held accelerator design/
technology discussions with Chinese
physicists and engineers. Dr. Teng also
lectured at Nanking University and the
(Continued)

CHINESE PHYSICISTS (Continued)

Nuclear Physics Institute at Shanghai.

Two groups of Chinese scientists visited Fermilab previously. In December, 1972, a delegation spent a day at Fermilab during an international tour; a second group spent three days at Fermilab in June, 1973, on a five-week tour of major U.S. high energy physics facilities.



...On Arbor Day Chinese visitors helped Fermilab employees plant trees...



...Peoples Republic of China flag joins Central Laboratory gallery of flags...

FERMILAB SALUTES 1978 URA SCHOLARS

Nine sons and seven daughters of Fermilab employees have won college scholarships in annual Universities Research Association competition. URA operates Fermilab for the U.S. Department of Energy.

URA Fellowship awards provide up to \$1,200 toward tuition annually. Grants are renewable for students who satisfactorily continue college studies. 1978 winners were selected from 24 applicants based on American College Testing (ACT) examination scores. They are:

--William F. Carl, Jr., son of William Carl (Accelerator), who will attend Illinois Institute of Technology. William will graduate this spring from St. Charles Borromeo Seminary.

--Steven C. Dorner, son of Rudy Dorner (Emergency Services), plans to attend University of Illinois-Champaign. Steven is graduating from St. Charles High School.

--Brian J. Englebrecht, son of James Englebrecht (Accelerator), will enroll at Illinois Institute of Technology. Brian will graduate from St. Charles High School.

--John Heim, son of Joseph Heim (Research Services-Cryogenics) will enroll at the University of Illinois-Champaign.
John will graduate from West Aurora High School South.

--Marilyn Kerns, daughter of Quentin Kerns (Research Services), will attend Northwestern University. Marilyn is graduating from Wheaton Christian High School.

--Yvette M. Malamud, daughter of Ernest Malamud (Meson), plans to attend the University of California-Berkeley. Yvette will graduate from Wheaton-Warrenville High School.

--Lawrence A. Neubauer, son of Arthur Neubauer (Research Services), will enroll at the University of Chicago. Lawrence is graduating from Downers Grove South High School.

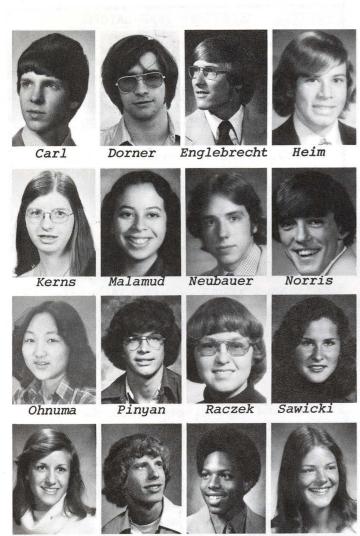
--Barry L. Norris, son of John Norris (Proton), plans to attend the University of Illinois-Champaign. Barry will graduate from Plainfield High School.

--Keiko Ohnuma, daughter of Shoroku Ohnuma (Advanced Projects) will attend Bryn Mawr College. Keiko is graduating from

- FOR SALE: 30" Roper gas range, 2 yrs. old, \$100. Norge gas clothes drier, 13 yrs old, \$25. Bunk beds, \$40. Phone Barb Murphy, 393-2172.
- FOR SALE: Dresser and chest for children's room, dk wood w/yellow&orange knobs on drawers, \$100 for set. China cabinet, contemporary style, glass front with storage compartment in bottom, \$90. Call 897-5195.
- FOR SALE: 1971 Slide-in Pickup Truck Skamper. 3 burner stove, ice box, sleeps 4. \$700. Call Nancy, Ext. 3467, or 231-2840 evenings.
- FOR SALE: 1966 YAMAHA twin cylinder twin carbs. 100cc New clutch, piston rings, wrist pin, battery, \$150. 1967 Sears Allstate 106cc four stroke single cylinder, new clutch, \$100. 30 cal. 308 dia. rifle with 4x32 scope, sling, cleaning kit, one box of rounds, Model 98 mauser action, \$125 or best offer. 2 Sears open-face rods and 2 cardinal 4 reels, 1-10' surf cast Garcia rod and a Diawa 7700 reel, plus other fishing equipment make reasonable offer. BUY SEPARATE OR ALL FOR \$375. Call Terry at Ext. 3128, 3041, or 3095.
- WANTED: Used car (4-passenger preferred) for reliable transportation to and from Fermilab. Call Lincoln Read at Ext. 4274 or Janet Read at 668-3630, or at home 653-2295.
- FOR SALE: Motorcycle tires (2) size 325x19", road tires, and (1) size 350x19" knobby. Call 840-3370.
- FOR SALE: Two 6.00-12 size snow tires plus rims, \$50. Call A. Schiz, Ext. 4149.
- "THREE OF A KIND" Music for all occasions, weddings, etc. Has some open dates through the summer and fall. Call Vance at Ext. 4191 or 971-0298.
- FOR SALE: 1972 Zuzuki TS 400 Enduro-Street trail, excellent condition, 3800 miles, never dirt driven. First \$500 takes. Ask for Eddie at 393-1585.
- FOR SALE: Fender "Bassman 50" guitar amplifier "Piggyback" with 2 12" speakers, volume, bass, treble controls, 4 input channels, excellent condition, \$300. Call Lyle at 584-7998.
- FOR SALE: Fender "Custom Telecaster" guitar, circa 1967 (ala Jimi Hendrix) with case \$150. Call Lyle at 584-7998.
- FOR SALE: Gibson "Les Paul" bass, superb instrument (Lists new at \$910.) Asking \$400. Call Lyle at 584-7998.
- FOR SALE: Sears VII Pop-up camper trailer with add-a-room. Ideal for use with small autos. Call Tex at Ext. 4072.
- FOR SALE: Schnoodles will be ready June 15th, \$15. Call Ext. 3494.
- FOR SALE: Man's precision 10-speed bike, 26", \$110. Only used about 5 times, like brand new. Call Meg Ext. 3452 or Bette Cornelle at 312-859-3205.
- FOR SALE: Completely furnished summer & winter condominium at Fox Lake. Swimming, boating, tennis, golf, snowmobiling and horseback riding. Cost \$18,900. Call Russ Jones at Ext. 3652.
- FOR SALE: 15' wood lapstrake Thompson runabout 1965 model Sea Mate w/75 hp 1961
 Johnson electric start motor. Mahogany upper portions varnished last
 year. White hull freshly painted. Very good condition \$500. Can be
 seen and tested at Green Lake, Wisc., 180 miles north. Call Will Hanson,
 Ext. 3555 or 469-0700.

CLASSIFIED ADS - Continued

- FOR SALE: In Geneva township, 3 bedroom ranch, garage, washer & dryer, refrig., double oven stove, water softener, carpet, 1/2 acre lot, \$58,900. Call Greg at Ext. 3677 or 557-2523.
- FOR SALE: 1975 Yamaha 125 cc (street bike), excellent condition, only 1300 miles, \$435 firm. Call Mark at Ext. 3721 or 964-0678.
- FOR SALE: 18" Black & Decker electric grass mower, with grass catcher. Used one season, \$50. Call Mildred at Ext. 3324.
- MOVING SALE: Size 6AA/6B shoes (some worn once); size 9 dresses, slacks, gowns (worn once); purses; jewelry. Call Denise at Ext. 3091 or Ext. 4110.
- FOR SALE: Female Brittany Spaniel pup, 4 months old, pure bred, but no papers. Call 554-3828 after 5:30.
- FOR SALE: ANTIQUE SYMPHONIA PLAYER PIANO Newly refinished, completely automatic, completely rebuilt w/one year guarantee, never been used. Asking \$2,000. Call 289-2049.
- FOR SALE: Doberman puppies sire Ch. Silent Sentry's Marauder dam Silent Sentry's Tanya T.D. (daughter of 1972 top Doperman) \$350. Call 365-6181.
- FOR SALE: House in Clarendon Hills 2 bedrm, bsmt, 1 car garage, close to train, shopping, schools. Aug. 15 occ., \$56,000. Call Tom at Ext. 3782.
- FOR SALE: 1959 19' Thompson Cabin Cruiser w/1959 50 h.p. Evinrude Less than 10 hrs. 1972 Sportsman tandem trailer, \$1000, or offer. Call Ext. 3788.
- FOR SALE: 1973 Orange VW Campmobile, sleeps 4, 49,000 miles 25 miles/gall., AM-FM radio, needs new muffler, \$3,150. Call George Zielbauer, 840-3485.



Simon Steigmeyer Van Leesten Vonasch Glenbard West High School.

--Kenneth Pinyan, son of Dug Pinyan (Safety Office), will enroll at Southern Illinois University. Kenneth will graduate from Oswego High School.

--Barbara L. Raczek, daughter of Joe Raczek (Architectural Services), plans to attend Northwestern University. Barbara is graduating from Wheaton-Warrenville High School.

--Diana Sawicki, daughter of Leonard Sawicki (Proton), will enroll at Millikin University. Diana is graduating from Rosary High School, Aurora.

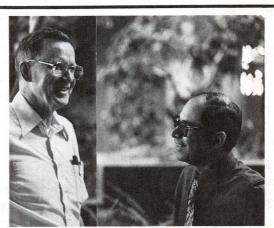
--Corinne Simon, daughter of John Simon (Neutrino), plans to attend Northern Illinois University. Corinne will graduate from Glenbard West High School.

--Bruce E. Steigmeyer, son of Edward Steigmeyer (Physics), will attend the University of Illinois-Champaign. Bruce is graduating from Waubonsee Community College, Aurora. --David Van Leesten, son of Hendrick Van Leesten (Accelerator), will attend Emerson College, Boston. David is graduating from Batavia High School.

--Patricia Vonasch, whose guardian is Lawrence Vonasch (Contracts), will enroll at Illinois State University. Patricia will graduate from Glenbard East High School.

Nine URA scholars completing undergraduate work are: David Awschalom, son of Miguel Awschalom (Cancer Therapy Facility), who is graduating first in his class at the U. of Ill.-Champaign; Christopher Curtis, son of Cyril D. Curtis (Accelerator Linac), who is graduating from Harvard; Margaret Fowler, daughter of William B. Fowler (Energy Doubler), who will graduate from Northwestern University with honors; and Craig Hanson, son of Will Hanson (Magnet Facility), who is graduating from the University of Wisconsin-Madison.

Also, Barbara Kerns, daughter of Cordon Kerns (Physics), who will graduate from Greenville (Ill.) College magna cum laude; James Kerns, son of Quentin Kerns (Research Services) will also graduate from Greenville; Dale Kleber, son of Frank Kleber (Magnet Facility), is graduating from Vanderbilt University; Vito Lentini, son of Pete Lentini (Plant Maintenance), will graduate from Northern Illinois University; and Steven Thompson, son of Roger Thompson (Library), will graduate cum laude from Macalaster College.



...Accelerator Deputy Head Phil Livdahl (L) welcomed Dr. Mohammed AbdelAzis to Fermilab May 16. Dr. AbdelAzis directs Libya's National Center for Nuclear Studies at Tripoli...



STIERS 'OUTSTANDING EDUCATOR'

Michael Stiers, a Fermilab security guard, leads a double life.

By day he teaches band in Batavia schools. At 4 p.m. Fridays, he dons a uniform for Advance Security and reports

for work at Fermilab. For his teaching efforts, he has been named a Kane County "Outstanding Educator of the Year."

Fifteen award winners were honored at a dinner ceremony. Stiers isn't one to let his teaching methods fall into a rut. "My 18 years have been getting more and more creative," he said. "Music," he said, "offers an expression and creativity that cannot be duplicated anywhere else in the curriculum, and offers one of the fun activities for students."

Stiers noted that many people were surprised that caring and concern for children was exceptional in an educator. "Those qualities should be taken for granted in any teacher," he says.

Stiers has been a part-time security officer at the Laboratory for five years. His family includes his wife Elmarie and two daughters, Amy, 8, and Holly 10.

\$

VEHICLE LOANS 'ON SALE'

Argonne Credit Union starts a "summer sale" on new car and truck loans today.

According to John Chonko, manager, reduced rates will be offered from June 1 to Aug. 31. Chonko says a special rate of 9 percent will be available for loans meeting two criteria: a down payment of one-third the window sticker price (or 25 percent down on no-discount foreign models) plus a 36-month maximum term. With smaller down payments, the regular 9.6 percent new car/truck rate will also be available for loans up to 42 months.

Brian Ankenbrandt received a second place award in state science competition held at the University of Illinois-Champaign. He is the son of Chuck Ankenbrandt

WANTED: VOLUNTEER TRANSLATORS

The Public Information Office is looking for volunteers to translate visitor information into foreign languages. A Swedish version of the visitors' slide orientation and self-guided tour is needed immediately for a large group that will visit in June. French, Spanish, German, and Italian visitor information will also be needed as the tourist season opens. Please call Margaret Pearson, Public Information Office, Ext. 3351, if you can help.

MEMO TO COMPRESSED GAS USERS

--Save money! Drift chamber gas is available from the Receiving stockroom at significant cost savings. Research Services and Purchasing have arranged a supply of 50 percent Argon/Ethane for drift chamber users.

--Rent accrues on compressed gas cylinders and dewars, even when they are empty. Please help reduce costs by returning empty cylinders/dewars and caps as soon as possible. Empty cylinders w/caps should be placed in appropriate racks for pickup. Call Ext. 3808/3809 for hauling.



* * * * * FERMILAB SON DESIGNS PHONE BOOK COVER

1979 Joliet area phone directory covers will display the artwork of Anthony Benedetti, son of George Benedetti (Support Services). Anthony is a sixth grader at Haskins

School, Sandwich. He won the 1978 Illinois Bell Telephone Co. "Our Phone" art contest for elementary-junior high school students. Judges were Joliet Junior College art instructors. A collage of ideas reflecting aspects of the phone, Anthony's creation is a colorful graphic worked with oil crayon on oak tag poster board. His inspiration came from a word list compiled by his art teacher, Mrs. Cherie Moline. For his efforts, Anthony won a \$50 cash award and a set of encyclopedias. His school district will receive \$300 worth of art supplies of its choice. Tony previously won art awards at Warrenville grammar school (1976) and from the Sandwich Lions Club (1977).