



President's Science Advisor Here For Science Writer's Briefing

Dr. Edward E. David, Jr. Science Advisor to President Nixon, addressed the Council for the Advancement of Science Writing at Brookhaven last Wednesday. Dr. David titled his speech "The Human Need to Comprehend."

In his address, David said that the research program of the 60's lacked immediate goals. "I firmly believe," said David, "that if this nation wants to progress in both science and technology, it will have to undertake well-balanced programs in both directions."

"It is axiomatic that technology feeds on science. However, it has never been made fully clear that science, in its turn, feeds on technology and is often invigorated by healthy, goal-oriented enterprises. It's a two-way street and the coupling between these two once-disparate elements is far closer than many of us have realized in the past. Solid state physics is a clear-cut example, a case whereas a whole new science grew out of a basic technical development. In turn, that need for application of a new technology generated a climate in which far more complete understanding of the scientific principles became mandatory. Solid state physics is now the second largest field of physics. A few years ago, it didn't even exist as a discipline."

Dr. David arrived at Brookhaven on Tuesday evening, and was escorted to Stony Brook by Lab Director Maurice Goldhaber to meet with Stony Brook President John Toll at a dinner for the Science writers meeting at BNL.

On Wednesday morning, Dr. David played tennis in the gym at 7:30 a.m. with Drs. Dahl, Cronkite, and Palmedo. The team of Dahl and David won the match.

After tennis, Dr. David met at breakfast with Director Goldhaber and his staff before taking a tour of some of the Lab facilities. Principal stops were made at the AGS, and at Metallurgy, where David was briefed on Brookhaven's superconductivity program.

After delivering his speech in Berkner Hall, Dr. David met with reporters, and made several comments on the Isabelle project. "Isabelle," said David, "is promising and sounds like an important effort. But it is too early to tell if it would be funded because it will have to compete with other proposals."

According to Newsday, David said, "Before we fund anything, we will have to be reasonably well convinced there is a promising frontier here for advances in knowledge and technology." Newsday said that David's statement was the first reaction from Washington on the proposed monster atom smasher, which would be the world's highest-energy accelerator.

Isabelle would be a one-mile-around machine capable of producing 100,000 BeV in a nuclear collision, more than 70 times the capacity of any existing accelerator. Plans will not be ready for submission to the AEC until next spring.

After meeting with reporters, Dr. David went on a tour of the Medical Department with Associate Director Bond, and then was escorted to the airport for his return trip to Washington by Maurice Goldhaber and George Vineyard.

During his busy stay at Brookhaven Dr. David managed to confer with many Lab

scientists about their research projects. He had conversations with Gerald Tape, Leland Haworth, Ronald Rau, Fred Mills, Warren Winsche, Victor Bond, John Blewett, William Sampson, and Eric Forsythe, to name a few. Subjects ranged from medical research to superconducting power transmission lines as well as the super-accelerator, Isabelle.

Many Lab officials were delighted by the chance to speak to Dr. David in an informal manner, and were encouraged by his interest in Laboratory projects.

BERA Concert Group

The second concert of the series will be given by Julius Baker, the renowned solo flutist of the New York Philharmonic on Tuesday, November 30, at 8:30 p.m. in Berkner Hall. In addition to holding this distinguished position, Mr. Baker has appeared with all the leading orchestras and is on the faculty of the Julliard School of Music. He is widely considered to be one of the world's greatest flutists.

In his BNL recital Mr. Baker will present works by Bach, Block, Martinu and Piston. He will be accompanied by pianist Martha Rearck.

Tickets are available at the door for \$4.00 for a single admission and \$9.25 for a season tickets for the four remaining concerts.

Recreation Office Moved

The Recreation Office, which has been located at the Gymnasium complex, 3 Center Street, has been moved to the Personnel Office, 58 Brookhaven Avenue. The telephone extension, 391, remains the same.



Edward E. David

Employee Contribution To Retirement Plan Reduced

Effective January 1, 1972, employees will be given the option of reducing their contributions to the Laboratory's retirement plan. Those employees who elect to reduce their contributions will receive reduced retirement benefits.

The Laboratory will continue to contribute an amount equal to participating employees' base pay.

Employees are now required to contribute 5% of base salary over the Social Security base, which is \$7,800 at present and will go to \$9,000 on January 1, 1972. Effective January 1, 1972, employees will be required to contribute 2½% on the excess of base salary from \$9,000 to \$12,000 and 5% of their base salary in excess of \$12,000.

AEC Cross Section Committee Meets

Returning to Brookhaven for its first visit since 1966, the AEC's Nuclear Cross Section Committee met November 17 to 19 under the direction of its chairman, R.E. Chrien, Department of Physics. The NCSAC is concerned with the measurement of nuclear cross sections and basic nuclear constants which are relevant to the U.S. nuclear energy program. The committee is also involved in cooperative international nuclear data activities and the development of laboratory instruments and techniques.

Among its significant activities is the production of a semi-annual status report summarizing cross section measurements at various U.S. laboratories and the issuance of a "request list" for measurements considered important to the nuclear energy program. The committee also gives guidance for the operation of the isotope separation program at Oak Ridge, particularly for research samples, and reviews proposals for research projects.

The committee consists of some 20 members from research laboratories and universities. Attending the Brookhaven meeting, in addition to the chairman, were H.E. Jackson, ANL (the committee's secretary); H. Alter, Atomic International; R.C. Block, RPI; C.D. Bowman, Livermore; R. S. Caswell, NBS; F. Feiner, KAPL; W.M. Good, ORNL; H. Goldstein, Columbia; P.B. Hemmig, AEC; M.H. Kalos, NYU; M.S. Moore, LASL; H.W. Newson, Duke; G.L. Rogosa, AEC; W.W. Havens, Columbia; G.A. Kolstad, Columbia; and A.B. Smith, ANL. Also attending as invited speakers, or as subcommittee members were J.A. Harvey, ORNL; W. Poenitz, ANL; R. Hockenbury, RPI; J. Baglin, Iowa State; and D. Barnard and E. Haddad, Univ. of Texas. Local speakers included Walter Kane, Harvey Wegner and Lou Stang, who described various phases of the BNL research program. The group was also invited to examine the facilities of the National Neutron Cross Section Center by Sol Pearlstein.

In addition to serving as chairman of the NCSAC, Dr. Chrien is a member of the U.S. delegation to the European-American Nuclear Data Committee which met in October in Lisbon, Portugal.

Benefit Improvements

Last September the Laboratory announced several fringe benefit improvements, most of which were tentatively scheduled to take place on January 1, 1972. At the same time of that announcement, the effective dates of these improvements were subject to change because of the Economic Stabilization Program.

It has since been determined that these improvements may be instituted on their originally scheduled dates. The improvements, which will be extended to all employees, are as follows:

Group Medical Insurance (Effective January 1, 1972)

- a. Coverage for hospital room and board under the basic policy will be increased from 31 days to 365 days.
- b. Coverage for essential services and supplies during hospitalization will increase from \$420 to full payment of covered expenses for up to 365 days.
- c. Allowances for diagnostic x-rays and tests will be increased from \$50 to \$150.

Effective January 1, 1972, employees will pay the following premiums for the Laboratory group medical insurance:

	Per Week	Per Month
Employee:	No cost for employee's coverage	
One dependent	\$.74	\$3.19
Family coverage	1.35	5.85

Holidays One holiday will be added, to increase the total number of annual holidays from 10½ to 11½. In 1971, this holiday will be divided into two parts. One-half day will be added to the half holiday already scheduled on December 23, the last working day before Christmas; and the other half day will be observed on December 30, the last working day before New Year's Day. Christmas day will be observed on Friday, December 24. New Year's day will be observed on Friday, December 31.

Julie Arrives At Brookhaven



Technician Roy Skarka, Photography, greets Julie Nixon Eisenhower as she arrives on Wednesday afternoon to officiate at ceremonies in Berkner Hall. More photos of the visit of President Nixon's daughter and Governor Rockefeller will be printed in next week's Brookhaven Bulletin.



Members of the AEC Nuclear Cross Section Committee are shown during a break in one of their meetings in the Physics Conference room. The committee met on Wednesday, Thursday and Friday of last week.

Bowling News

Grace Fales

Green League

Congratulations to Frank Short who walked off with the turkey for his 261 gross game - and Happy Thanksgiving. Other 200's were: J. Carroll 210, F. Short 220, R. Taylor 215, R. Marlow 200, W. Crockett 208, and C. Zavesky 202. S. Kiss earned a Club Award for his 678 gross series.

Red League

John Sucher got the "turkey" here with his 213/249 gross game. Enjoy it, John.

Pink League

Beverly Nine (182/484) of the Hopefuls was the winner of a turkey presented by PJ Bowl for the holiday. Bev's high gross game was 228. The ladies 50¢ pot was won by Diana Bartelt (Bioboosers) whose high gross game was 223. For the rest of the league, high games and series were out of reach.

Black and Blue League

Ben Belligan's 201/190-549 series helped give the AR's a comfortable lead in first place. Lou Caisey rolled a 503 series and special mention goes to Frank Candiano for his 168. Nice going Frank, your average is on the move. With everyone thinking "turkey," the scores were Ralph Taylor for the guys with a 195/243 gross game and Pam Murgatroyd for the girls with a 138/214 gross game. Congratulations Pam and Ralph and enjoy the "bird."

Volleyball News

Odelli Ozer

The Volleyball Leagues opened their season with the Mixed League games of November 15. The Jets (Capt. Ruby Burwell) and the Gotcha's (Capt. Helen Connell) seem to have picked up their rivalry from the point where they left it last year. In a closely contested game the Gotcha's got the Jets 21-15 while the much improved Active Sites (Capt. Leslie Coggins) were defeating the potentially powerful Boomerangs (Capt. Louise Russo). The Spikers (Capt. Pat Oster) and the Trolls (Capt. Connie Loke) had the night off.

In Men's League games AEC disposed of the Set Ups 3-0. The Atom Spikers defeated Particle Detector with the same score while in the last game the Cool Tools could only defeat Chemistry 2-1. The Spikers had a bye.

The League standings at the end of the first week are as follows:

Men's League

	Won	Lost
AEC	3	0
Atom Spikers	3	0
Cool Tools	2	1
Chemistry	1	2
Particle Detector	0	3
Set Ups	0	3
Spikers	-	-
Mixed League		
Gotcha's	3	0
Jets	2	1
Active Sites	1	2
Boomerangs	0	3
Spikers	-	-
Trolls	-	-

Aviation Club

The BNL Aviation Club will meet on Wednesday, December 1 at 8:00 p.m. in the upstairs lounge of the Recreation Hall. The purpose of the meeting is to discuss future club objectives and activities. An invitation to attend is extended to all those interested in aviation.

Selected Reading

New Scientist & Sci. J. 51, September 16, 1971 Some are paying heed. Professor P. Ehrlich talks to G. Chedd. 634-5

Rutherford and creativity in science. P. Kapitsa. 639-40

Bull. At. Sci. 27, November 1971

"The Greening of America," by Charles A. Reich. E. Rabinowitch. 33-7

Arrivals & Departures

Arrivals

Peggy Walker.....Accelerator
Linwood E. Johnson.....PEP
Ursula Reincke.....Medical

Departures

None

Classified Advertisements

Autos & Auto Supplies

1968 FORD GALAXIE 500 - Air cond, am/fm, 5 excellent, tires, 2 snows, vinyl roof, 30,000 mi, excel cond, only \$1750, must see. 277-9462 after 6 p.m.

62 THUNDERBIRD - ps/pb, power windows & seats, tilt away steering wheel, new brakes, excel cond, \$350. Ext. 2592, or EM3-2130.

TIRES & WHEELS - 6.50x13, good cond, \$12 pr; 12V gen GM type, good cond, \$7. Bob, Ext. 2450 or 289-0357.

63 VW - Needs work, runs. 475-6288.

8.25x14 - New Recap snow tires, \$20 pr. Ext. 2467 after 4 p.m. or PA7-4363 days.

1964 PONTIAC CATALINA STATION WAGON - p/s p/b hydro, new tires, motor excel cond, needs body work, Ext. 7506 or 281-7155.

SNOW TIRES - 4, 7.45-7.60x15, like new, mounted on VW rims (65), \$12 each. Earl, Ext. 7525 or SE2-8601.

SANTA'S COMING - With a new Cougar for the bride. Must sell her '71 VW Superbug to make room. Yellow, ww, am/fm stereo, std trans, 10,000 mi. \$2000. 744-2992 after 5:30.

1961 FALCON SEDAN - Automatic 6 cylinder, new snow tires, \$100. Jim, 473-0288.

1967 SIMCA - Running cond, cheap transportation, \$75. Laura, 286-8059.

1970 VW BUS - Low mileage, excel cond, \$1400. 727-7365 after 6 p.m.

67 VW BEETLE - New brakes, valves and shocks, \$675. B. Watson, Ext. 2411 or 289-0928.

2 EXTRA 14" SNOW RIMS - For Olds 88 or Pontiac. George, Ext. 657.

53 JEEP - 4 cyl, purple/white canvas top & doors, 4 new tires, rebuilt motor & trans, 4 w/d, Chevelle bkts, 24 v starter, etc. 281-5385.

RED CHEVY VAN - Very good cond, reasonable, paneled & carpeted interior, work or fun. 744-9686 after 5 p.m.

1964 CORVAIR SPYDER - John, 924-3652.

68 BUICK - 2 dr SKYLARK Custom, auto trans, ps/pb, factory ac/heater, radio, 20,000 mi. mint cond, \$1900. E.W. Anderson, Ext. 2835 or 289-0742.

62 OLDSMOBILE DELTA 88 CONVERTIBLE - Auto trans, ps/pb, white, runs well, orig owner, best offer. 757-0929.

69 CHEV IMPALA CONVERTIBLE - Deluxe in every way, air cond, perfect. Carsten, Ext. 2893.

67 DATSON - 4 dr sedan, auto trans, 96 hp engine, clean throughout, \$500. R. Werner, EM3-6597.

63 FORD STATION WAGON - V8, auto trans, needs some work but in running cond, \$150. Ext. 7617.

68 TRIUMPH 250 - White/blk, wire wheels, racing mirrors, elec overdrive, Konis, luggage rack, reworked head, am/fm, head rests, 13,000 mi, excel cond. \$2000. Doug, Ext. 2912.

58 VW - New clutch, good running cond, \$175. 581-0932 after 6 p.m.

CHEV II Station Wagon - 6 cyl, std trans, good running cond, \$155. Mike, Ext. 7559.

62 TR-4 - Wire wheels, r & h, good top & tires, tonneau cover, new battery, excel running cond. 653-4633.

67 BUG, - Excel. cond, see to appreciate. \$800 firm. 744-6161.

66 PLYMOUTH FURY - 4 dr, auto trans. 8 cyl, good cond, must sell. Ext. 2245.

71 VW SUPERBEETLE - Perf cond, 21,000 mi. still under warranty, avail early Dec, \$1580. J. Moller, Ext. 510.

SNOW TIRES - 6.50x13 on rims for Valiant/Dart, used 1 season, make offer for pair. Marty, Ext. 7304.

69 MERCURY COUGAR - Air cond, AM-FM stereo, rear defogger, vinyl top, excel cond, must sell, \$2,000. 286-9451.

64 OLDS VISTA CRUISER - 20,000 mi on eng & trans, very good cond. \$650. 289-8236.

67 PONTIAC CATALINA CONVERTIBLE - PS/PB & many extras, 4 door sedan, best offer. 924-3362.

61 VALIANT STATION WAGON - Good running cond, extra set of snow tires, economical transportation, \$80. 475-4038.

66 MUSTANG - 8 cyl auto, 4 new tires & snow, excel cond, asking \$800. 727-2246 after 6 p.m.

67 VW - Sunroof, good cond, \$600. Ext. 2479 or 751-1359 after 7 p.m.

Boats & Marine Supplies

9' FIBERGLASS - Sailing or rowing dinghy, aluminum mast, good cond, excel for learning to sail, \$235, H. Davis, Ext. 7165.

16' OLDTOWN CANOE - All fiberglass, many extras, \$225 firm. Stoner, 286-0958.

19' BALTIC SKIFF - W/1959 50 hp Johnson w/controls, \$200. 728-2553.

15' CUSTOM CRAFT RUNABOUT - Fiberglass w/75 hp Johnson & trailer, \$400. 728-2553.

16' BOAT - Wooden lapstrake, Penn Yan 1959, good cond, new navy top & side curtains, mooring cover, trailer, \$300 or make offer. Warner, Ext. or 475-7025.

Miscellaneous

PHYS. REV. - Section C, Vols, 165-188 (1969) & Bulletins. Make offer. Pearlstein, Ext. 453.

Ads left out of this issue because of lack of space need not be re-submitted in order to run in next week's issue

ROCK MAPLE POWDER TABLE - Stool, hinged top w/inside mirror, 4 drawers, excel cond, \$35. AT6-8805, evenings.

COCKER SPANIEL - AKC, black female, 5 months, playful. \$75. 924-6131.

TOY FOR CHRISTMAS - Fisher Price "Garage", like new, \$4.50; 3 Playskool wooden puzzles, \$.50 each. Barbara, 286-8633.

OSTERIZER - 2 speed blender, very good cond. \$8. Elliott, Ext. 2450.

REFRIGERATOR/FREEZER - 14 cu. ft, frost free, white, running cond, \$25. Lou, Ext. 2308.

HUTCH - "Hartford House" solid rock maple by Thomasville, 54"wx74"h, lined silver drawers, 9 drawers, 4 side cupboards. John, Ext. 426 or 929-6530 after 5:30 p.m.

MOVIE CAMERA - Bolex 8mm, model D8L turret; best offer over \$150. Lou, Ext. 315.

MINI BIKE - Chopper brand new engine, 3 1/2 hp, drum brakes, new clutch, custom styling sissy bar, excel cond. 929-4699 after 6 p.m.

FISHER - 120 Watt stereo tuner, solid state, cost new \$475, asking \$295. Frank, Ext. 7220.

SCM ADDING MACHINE - Excel cond, 2 yrs old, \$35; portable A1WA cassette recorder, case/mic/cord-ec, \$25. 727-8238 after 5:30 p.m.

OAK FIREPLACE LOGS - Custom cut, split, delivered & stacked, well seasoned. Ken, 289-8212 evenings.

AUTOMATIC DISH WASHER - RCA Whirlpool, chrome door, needs new timer. Best offer. 928-0509.

FIRE WOOD LOGS - Oak, pick up yourself, \$20 cord. 281-7595.

HEAD SKIS - 210 CM vests, good cond, \$30. P. Rapp, Ext. 406.

GERMAN SHEPHERD PUPPIES - Black & tan and sables, champion bloodline bred for temperament. Ext. 7168 or 421-2094.

CHRISTMAS SPECIAL - Suzy homaker by Topper, 2 ovens; pans & dishes; 1 dishwasher; 2 mixes; 2 blenders; ironing board & iron. All \$30. Bob, Ext. 2152 or 473-3987.

"N" GAUGE TRAIN LAYOUT - 3'x6', 3 locos, 14 cars, 7 switches & numerous buildings. Operating now. \$100 complete. Jim Klein, Ext. 439.

DOUBLE BED - Box spring, mattress, good cond, \$10. Ext. 563.

PERFECT CHRISTMAS GIFTS - Hand-made feather dolls, many colors, limited time only. 744-9822.

TRICYCLE - Looks like new, ideal Christmas present for 3-6 yr old. 744-9822.

FLUTE - Olds Ambassador, silver plated, \$90. Stoner, 286-0958.

DRAFTSMAN TABLE - Tilt top, adjustable height, maple & pine, \$35. Stoner, 286-0958.

TABLE TENNIS SET - Table in 2 parts, folding legs, net, 4 paddles, official size, \$45. Stoner, 286-0958.

ROCKING HORSE - Blazon War Cloud, excel cond, \$15. Hank, Ext. 7525.

26" LAWN SWEEPER - Excel cond, \$12. Ext. 7219.

JESUS CHRIST SUPERSTAR - 2 tickets for Sat. matinee, \$10 for the pair, Nov. 27. 751-3551.

GO-CART - 3.5 HP Yardman w/trans, excel cond, \$70. C. Barrett, Ext. 433 or 325-0013.

TAPPAN GAS RANGE - Good cond, see view oven door, \$50. Olive Ritter, Ext. 2259 or GR5-2769.

TV - Black & white, portable, needs repairing, \$8; stroller, \$8. J. Moller, Ext. 510.

SOFA - Needs new cover, \$10; coffee & phone tables, \$2; coffee table, \$2; lamp, \$1. Kortt, Ext. 312 or 744-8538.

CHAISE LOUNGE - As new, \$2; Slazenger tennis racket, new cond, \$10- 2 other rackets, \$2. Kortt, Ext. 312 or 744-8538.

SINGLE KITCHEN SINK - Porcelain, white, w/faucet/controls, used, \$10. Ext. 2908.

GARRARD MONAURAL RECORD CHANGER - Good cond, needs pickup, \$15 or best offer. Ext. 7420 or 281-2002.

SINGER - Upright vacuum cleaner, \$10. Olson, Ext. 7525.

SINGER - Child's sewing machine, new cond. Olson, Ext. 7525.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

- For Sale: Auto & Auto Supplies
 For Sale: Boats & Marine Supplies
 For Sale: Miscellaneous

- Wanted
 Carpools
 Lost & Found

Check the heading applying to your ad. Print or type your ad in 20 words or less.

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, Room 112, 40 Brookhaven Avenue.

Employee's Signature..... Life No..... Ext.....

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue

(Name & Phone No. To Call)