

FY89 Fusion Appropriation Set

On June 21 a House-Senate conference committee agreed on a \$351.5 million budget for the national magnetic fusion energy program in fiscal year (FY) 1989. President Reagan signed the appropriation bill into law on Tuesday, July 19. The FY1989 funding level amounts to a five percent increase over the FY1988 budget of \$335 million.

The exact allocations for PPPL's programs must await action of the USDOE's Office of Fusion Energy. However, based on information contained in President Reagan's budget submission, PPPL's operating budget is expected to increase slightly over its FY1988 level of \$99.8 million, including

an increase for TFTR.

"The FY1989 budget for magnetic fusion indicates strong Congressional support for the program within the tight constraints of the federal deficit problem," noted PPPL Director Harold Furth. "Next year's budget will permit TFTR to proceed vigorously toward a demonstration of scientific breakeven with deuterium-tritium (D-T) plasmas in early FY1991."

CIT Funding

For the Compact Ignition Tokamak (CIT), the FY1989 appropriation provided \$3.5 million in PACE funding (Plant Acquisition, Construction and

Equipment). This, together with anticipated FY1989 operating funds, should provide a total of about \$20 million next year for CIT, which is a small increase over FY1988.

While this amount supports progress in the design and engineering of CIT, the program plan for CIT will have to be adjusted to reflect the fact that real construction funds will not be available until FY1990. The detailed impact on the Laboratory's work schedule and project plans will be determined prior to October 1. However, the deferral of construction and component fabrication of CIT to FY1990 will probably postpone experimental operations to FY1996. *

Up On the Roof

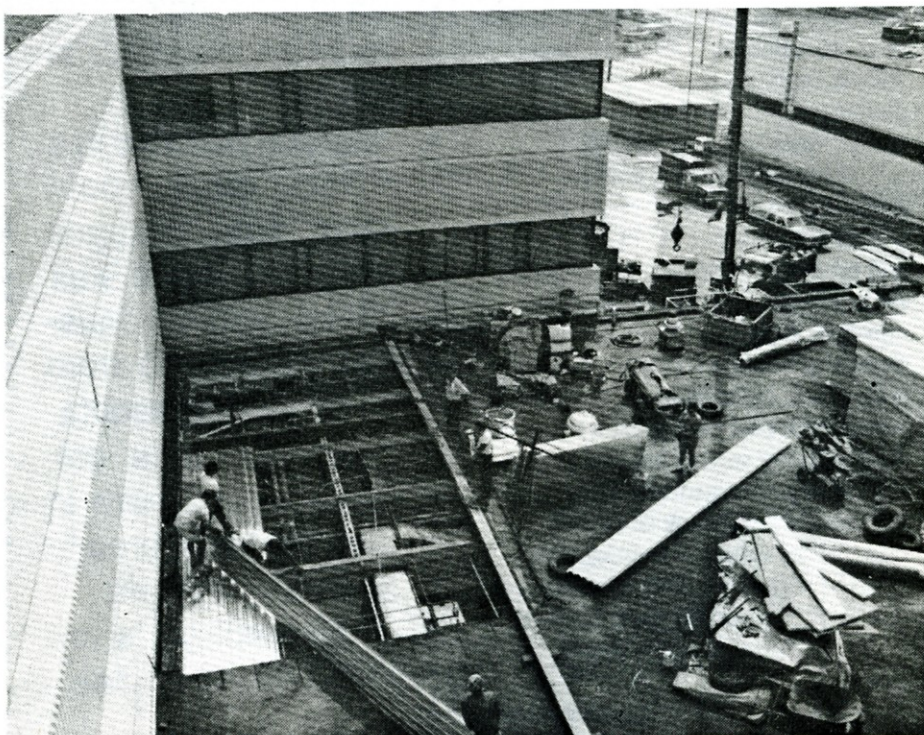
by Phyllis Rieger

Farmers and gardeners had been lamenting the lack of rain but PPPL's Bob Kress got involved in the Laboratory's latest roofing project and couldn't have been happier. Bob has a well-established reputation for bringing on the monsoons whenever he gets involved in a reroofing project. True to form he managed to break our latest drought during the course of reconstructing the cafeteria roof.

More than just ending the drought however, Bob, Manager of the Construction Facilities Branch, with Bob Longmuir, construction supervisor, oversaw the reroofing and structural support replacement of C-Site's cafeteria.

"Some employees don't recognize

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Raising the roof at C-Site's cafeteria

(JOHN PEOPLES)

the magnitude of the overall replacement effort," said Bob Kress who explained that the roofing subcontractor reroofed and reinforced 6500 sq. feet. of cafeteria and kitchen roof.

With temperatures in the 100+ range it may be hard to think snow but, according to Bob, the main reason for the cafeteria project "was to replace major structural support for the cafeteria roof to comply with building codes, especially to handle snow loading requirements. In addition to adding steel beams we replaced 1900 sq. feet of heavy concrete roof decking with lightweight metal and covered the entire area with a whole new roof membrane."

For sanitary and safety reasons during construction the cafeteria has been temporarily relocated to the C-Site lobby and nearby outdoor area which some felt an inconvenience. However, Bob said, "We are delighted with the performance, effort and initiative put forth by Grove Roofing which was the low bidder on the project and which is performing reroofing operations on the Tech Shop. Work began Monday, July 11, with people putting in 12-14 hour days including Saturday the 16th. That day I'd say the temperature up on the roof was at least 115 degrees. In spite of rain delays we completed the job on time and within budget." Bob added that United Engineers did the structural design and this group performed several on-site visits during construction.

What might appear a simple reroofing job actually involved the efforts of a number of PPPL departments and personnel. Pat Corcoran of Procurement administered the construction contracts. Rosemary Fuccello of Personnel handled coordination efforts with Brock, cafeteria food contractor, whose personnel worked hard to set up the temporary serving line and picnic style eating arrangements. Plant Maintenance staff took down and replaced the cafeteria's ceiling tiles, checked wiring, etc. Dick Carlese saw that safety regulations were followed while Dick Reny handled quality assurance.

Bob Kress said, "The janitorial staff did an outstanding job seeing that the

temporary cafeteria area was kept clean."

Bob and Ro both expressed their gratitude to all PPPL staff who have cooperated so well during the shutdown of the cafeteria.

The cafeteria roofing renovation is only one of a series of projects planned for cafeteria improvements. Projects over the next couple of years include kitchen and serving line renovations to replace worn out equipment and to speed up the flow of customers through the serving line. Final step in the renovation is planned to be a "greenhouse" extension to the dining area. This will be needed to handle the influx of engineering staff that will come to C-Site with the proposed construction of the Fusion Engineering Building (FEB). PPPL is working for approval of the FEB in early Fiscal Year 1989 and occupancy in late 1990. *

College Fair

A new world of adventure, magic and fun in learning can be yours by going back to school.

So you won't be in a school daze about what area colleges offer, a College Fair will be held Wednesday, August 10 from 11 to 2. Representatives from nine colleges will be here in the LOB lobby area to answer questions.

All employees are invited to participate.

WHAT NEXT? C-SITE HAS IGLOO

by Phyllis Rieger

Sometimes it was so hot outside the C-Site Tech Shop that Sylvester Vinson (known as Bubba) and Bob Tucker wished that the concrete igloo wall they were building was instead a real honest-to-goodness Eskimo igloo of snow blocks.

These two Tech Shop employees spent several weeks laying concrete block to form a dome-shaped wall which is a mock-up of a wall that will completely encircle the Tokamak Fusion Test Reactor (TFTR) and shield it once Deuterium-Tritium (D-T) experiments begin.

The wall is not an impressive sight. It looks like any ordinary wall but with wires hanging from it. But this mock-up has proven to be a valuable piece of concrete. According to PPPL Supervisor Joe Davenport, "Making a mock-up lets us test the wall's stability and check if concrete leakage through the wall joints is minimal or non-existent." Joe explained he served as liaison between PPPL and Ebasco Services, Inc. responsible for the design, fabrication and installation of TFTR D-T shielding.

Ebasco engineer Jim Pien, who designed and developed the process for the wall's erection, said, "A model also helps us identify any problems not previously anticipated."

Joe added, "The mock-up also will provide information on dielectric related concerns. We installed dielectric test blocks in the concrete of the mock-up to provide data on the electrical resistance of the cured concrete."

Jim and Joe explained that the lower igloo shield wall mock-up is a full scale replica of a typical TFTR machine bay from machine floor elevation to the underside of the lintel. PPPL carpenters fabricated two columns and one lintel from plywood to the same shape and dimension as the actual machine columns and lintels.

Because space will be limited when

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(DIETMAR KRAUSE)

Some like it hot but . . . Bob Tucker builds mock-up but wishes cooler temperatures prevailed.

actual construction of the igloo begins in January, workers had to build the mock-up under similar restrictive conditions. An obstruction was installed in front of the mock-up work area to simulate a neutral beam box, one of the restrictive situations which will exist

when actually constructing the wall around the TFTR.

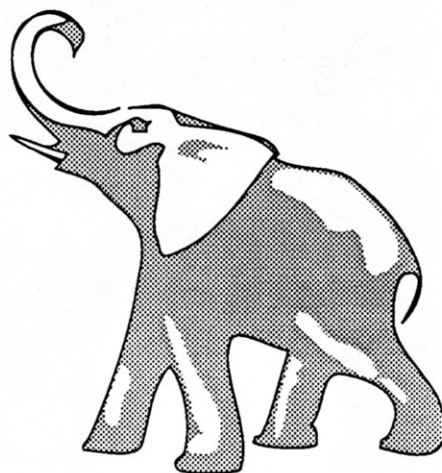
According to Bob Rocco, who oversees Ebasco's shielding work, "The mock-up has demonstrated that the concept of the igloo-shaped shield wall is viable." ✱

Future Features

Look for these features in future **HOTLINE** issues...

- Tritium team ranks safety #1
- Cost & Scheduling Control Division thinks ahead
- CIT planning update
- 305—The move continues

Come September--- Great Adventure



Lions and tigers and bears, oh my! You never know what wild creatures you'll encounter at Great Adventure. One thing is certain—you can shake off those late-summer doldrums at PPPL's upcoming Great Adventure picnic.

Tickets will go on sale Monday, August 1 for the Great Adventure Picnic scheduled for September 10. Until September 2 you can purchase tickets at the Petty Cash Office on Monday, Wednesday and Friday only from 11:30 A.M. to 12:30 P.M. Your badge must be displayed at time of purchase. Ticket costs are \$7 for PPPL employees, eligible guests, PPPL library staff, security guards and graduate students as well as Department of Energy staff.

For those having a Great Adventure season pass it will be \$3 per person (picnic only).

Non-PPPL employees and subcontractors are invited with cost at \$20 per person. Children three years of age and under are free.

The picnic will be served in the "Best of the West" restaurant from 12 noon to 2:00 P.M.

The menu has been upgraded and this year includes: barbecued beef, hot dogs, macaroni and cheese, corn on the cob, green beans, tossed salad, rolls, ice tea/soda, ice cream, coffee and beer.

Please remember that your tickets are like money and, if lost, irreplaceable. With this in mind, please keep them in a safe place. ✱

Gutter Dusters Win Roll-off



contributed by Elmer Fredd

Who would think that bowling teams with the names Gutter Dusters and Low Rollers would be the top two of the Princeton University Mixed Bowling League?

In one of the most competitive roll-offs the League has ever seen, these two vied for first place. The battle of the bowl was on. The hotly contested final match began with the Low Rollers winning the first game 952 to 938. Noreen Cruser, Matt Lawson, Kim Prutky, Jerry Siminoff and Andy

Vanisko are the Low Rollers who knew they had to bowl one heck of a game to beat the Gutter Dusters who won game two 1021 to 913.

The Gutter Dusters, composed of (1 to 5 above) Dotty Kerr, John Luckie, Ron Krzos, John Cole and Sarah Thomas, rolled to win and won by a scant three pins—1004 to 1001.

At the League's sixth annual banquet the Gutter Dusters claimed top honors but all other award winners, including the Low Rollers, received trophies.



Highlighting the banquet was Dotty Kerr's beautiful (and delicious!) cake, a masterpiece of her creativity and baking skills.

September signals another season, and all employees are invited to join the teams either as a regular member or substitute. The League bowls Wednesday evenings until early May. Those interested should contact one of the League officers: Elmer Fredd at X2120; Keith Sapp at X2361, Lynne Shapiro at X3458 or Barry Cohen at X2037. ☼

1988-1989 Princeton University Holiday Schedule

Independence Day	July 4, 1988	Monday
Labor Day	September 5, 1988	Monday
Thanksgiving	November 24, 1988	Thursday
Thanksgiving	November 25, 1988	Friday
Christmas	December 23, 1988	Friday
Christmas	December 26, 1988	Monday
New Year's	December 30, 1988	Friday
Memorial Day	May 29, 1989	Monday
Optional Holidays		Three Additional*

Optional holidays may be used at the staff member's discretion and with the approval of the supervisor for religious holidays or any other personal reason. Alternate holiday arrangements may be made by Departments and Offices such as the Library and Food Services where work schedules or union contracts dictate other holiday schedules.

Because New Year's Day falls on Sunday in 1988-89, one of the usual designated holidays around New Year's has been changed to an optional holiday.

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