



Roy LaRocque (right) tells Dr. Plumley about his suggestion to obtain distilled water for high-pressure test loops by condensing steam from the KAPL boiler plant.

MORE MONEY FOR AN IDEA—Roy D. LaRocque, Engineering Technician in Experimental Engineering, was presented a \$520 suggestion award last week by Dr. H. J. Plumley, Manager—Technical Operation. Mr. LaRocque suggested obtaining makeup water by condensing KAPL boiler plant steam, eliminating a need for distilling regular water in special equipment which would be costly to operate and maintain on a continuing basis. He received a \$225 suggestion check in 1958 for a similar application, meaning his idea has earned \$745. Dr. Plumley said steam from the plant system was analyzed and found sufficiently pure for use in high pressure loops for experimental programs. The test loops simulate primary coolant water systems found in nuclear submarines and are used to perform various tests on reactor components. It is important for the water to be purified so that the environmental conditions, except for the presence of radiation, are identical to those on the ship.

Planning to send a youngster to college this year? For information on enrollment, number of teachers, average costs of tuition, room and board, see "College Facts Chart," published by the National Beta Club. A copy is available for you to examine in the office of R. W. Hillis, Bldg. A-1, Room 143.

TRITON MEMENTOES—Triton tie clips, pins and cigarette lighters are now available for purchase by all KAPL employees. The tie clips and pins are \$1.25 each and the cigarette lighters are \$3.00. They may be ordered from W. A. Heywood, Bldg. A-1, Rm. 221. They are being sold through the Sailors' Recreation Fund which will permit purchase of recreation room equipment for use by the Triton crew.

WHEN IT'S TIME TO CHOOSE YOUR SAFETY SHOES

—Starting May 1, orders for safety shoes will be taken at the Employee Store, A-1, Room 38, instead of at the Safety Office. The store will be open solely to shoe customers from 3:00 to 4:00 each afternoon, Monday through Friday; furthermore, no shoe orders will be taken during regular store hours, 11:15 a.m. to noon and 1:15 to 2:30 p.m.

PAPERS WERE PRESENTED by Dr. R. Ehrlich, and Dr. G. J. Habetler and Dr. M. A. Martino on April 23 and 24 at the Symposium on Mechanical Aspects of Reactor Theory sponsored by the American Mathematical Society and the Office of Ordnance Research, held in the Hotel

New Yorker. Dr. Ehrlich's paper was entitled, "One-Dimensional Multigroup Calculations: Estimation of Group Constants," and the paper presented by Dr. Habetler and Dr. Martino was entitled, "Existence Theorems and Spectral Theory for the Multigroup Diffusion Model."

VALUE ANALYSIS SEMINAR COMPLETED—\$26,000

in total net proposed savings resulted from seven projects undertaken during KAPL Value Analysis Seminar No. 7, which was completed last week. General Manager B. H. Caldwell congratulated the participants at a graduation ceremony Apr. 22, urging them to apply the Value Analysis formula and philosophy in their day-to-day activities to reduce expense and thereby help KAPL keep competitive. The projects, proposed percentages of savings, and participants were as follows:

Dosimeter Badge, 68%, K. H. Dufrane, C. A. Ehrcke, J. O. Mirate, Project Leader D. K. Fonda. Machining and material costs were reduced on the dosimeter badge, which is worn by all personnel in radiation zones to measure, over long periods, any personal dosages of neutron radiation.

Wet Cut Off Saw Vise, 53%, J. E. Morin, C. M. Olds, M. Syrotinski, Project Leader Fonda. Use of a purchased toggle clamp simplified this device, used in RML hot cells to hold irradiated material while accurately cutting off samples for study.

Thermocouple Connector, 96%, F. W. Meier, Project Leader R. A. Gahr. This is a new concept in miniature connectors; it connects thermocouple assemblies and their lead wires.

Canning Mechanism, 96%, J. J. Bekaert, J. R. Peloke, J. B. Watterson, Project Leader Gahr. A simplified can was proposed which eliminates the need for canning mechanism (and can opener) in RML hot cells to seal radioactive material in metal cans for long-term storage.

Plate Vibration Sensor, 40%, W. J. Foltman, P. M. Mahar, E. J. Perka, Project Leader W. R. Towle. This is a tiny device inserted within thin sections of a reactor to measure the amplitude and frequency of vibration.

A simplified method of manufacture and a change of material were proposed.

Anticipator Tube, 59%, R. C. Boesser, J. J. Gildea, E. R. Posluszny, Project Leader Towle. Elimination of expensive components was proposed to reduce the cost of this tube, which looks like a radio vacuum tube and is used in conjunction with other equipment for accurate control of temperature in electric furnaces.

Dosimeter Pen, Type 1, 86%; Type 2, 67%, P. E. Harris, T. M. Martin, R. B. Lavin, Project Leader A. E. Snelling. Proposed design would combine two types. Pen is worn by personnel for daily record of any exposure to neutron radiation.

A. L. Comstock and J. F. Dunn were co-chairmen of Seminar No. 7. The next Value Analysis course at KAPL is expected to open in the fall.

KAPL CAFETERIA MENU—Apr. 29 through May 5

- Apr. 29—Pepper pot soup, roast turkey, creamed tuna on tea biscuit, franks and sauerkraut.
- Apr. 30—Veg. soup, roast sirloin beef, baked ham loaf, baked beans.
- May 1—Clam chowder, chopped beef steak, fish cakes, macaroni and cheese.
- May 4—Lima bean soup, baked stuffed pork chop, smoked sausage, Chef's special.
- May 5—Scotch pea soup, fried steer liver, stuffed peppers, pork links and applesauce.