

Navy Starts Missile Sub Construction

WASHINGTON, Feb. 14 (AP)—The Navy started its ballistic missile submarine program rolling today with announcement that construction of two Polaris boats will begin in Connecticut and a third in California. The assignment to build two of the giant-sized submersibles able to fire 1500-mile intermediate-range ballistic missiles while beneath the sea, went to the Electric Boat Division of General Dynamics Corp. at Groton, Conn., the firm which built the Nautilus, forerunner of nuclear-powered submarines like the Polaris boats.

The Mare Island naval shipyard located near Vallejo, Calif., will build the other.

The first sub probably will cost between 105 and 110 million dollars. Techniques developed are expected to lower the price tag to 90 million dollars or less for the other craft.

The Polaris submarine will be the largest submersible known—unless the huge, new Soviet fleet includes a type unheard of here.

Surfaced, it will displace 5600 tons, compared with about 3000 yard located near Vallejo, Calif.,

Within the huge hull will be 16 vertical tubes in which the IBM Polaris weapons will be mounted and from which they will be fired.

With the 1500-mile range, this means that a Polaris submarine can lob 16 rockets into the heartland of an enemy while concealed under the ocean surface. Each missile can mount a hydrogen warhead, capable of causing vast destruction.

Generally, the Polaris submarines will follow the propulsion design of other nuclear submarines. However, to give them increased underwater speed and maneuverability, the Navy is utilizing the whale shape of the submarine Albacora. That experimental vessel, powered with conventional diesel engines, has traveled faster under water than even the nuclear-powered Nautilus.

Tunisia Blocks 3 Consulates

TUNIS, Feb. 14 (AP)—Tunisia clamped a police blockade on three French consulates today but otherwise applied calming measures to prevent a dangerous explosion.

A government spokesman disclosed that food supplies were being allowed to get through to the 15,000 French soldiers barricaded in their bases. This seemed to ease the greatest immediate danger of clashes.

Capitalizing on world reaction to a French air raid last Saturday on the border village of Sakiet Sidi Youssef, President Habib Bourguiba has demanded France withdraw all its troops and give up the big naval base at Bizerte. Tunisians claim 79 men, women and children were killed and many more wounded in Sakiet.

'Biggest' Erie Fire Still Smouldering

ERIE, Pa., Feb. 14 (AP)—Erie's biggest fire in many years still smoldered stubbornly today in the ruins of a wrecked warehouse.

Owner Millard Irwin said the ruined building was valued at a million dollars, and the contents had been inventoried Wednesday as being worth seven million dollars.

For several hours the fire roared out of control, reddening the sky over the west end of Erie. Every member of the fire department was called to duty and most of the force remained until the fire was controlled about 2 a.m. At the height of the blaze furniture was carried from an adjoining office building as the flames threatened to spread.

Dem Hits Stassen Candidacy

WASHINGTON, Feb. 14 (AP)—Sen. Neuberger (D-Ore) said today Harold Stassen is being pushed into the Pennsylvania political picture by the Eisenhower administration as a means of getting rid of him.

Stassen, former governor of Minnesota, has written to all of Pennsylvania's 67 county Republican chairmen telling them he is available for the GOP gubernatorial nomination.

Last week, Stassen met with President Eisenhower at the White House and there was conjecture that Stassen would be asked to step down from cabinet-level post as disarmament adviser. There also were reports that Stassen would seek the President's support in his bid for the Pennsylvania governorship.

However, Stassen announced after his meeting with the President that he would continue as disarmament adviser. He would not comment on possible Eisenhower support on the Pennsylvania political scene.

Sen. Neuberger said today the

2nd Satellite Transmitter To Last Longer Than 1st

TEMPLE CITY, Calif., Feb. 13 (AP)—The radio transmitter in Explorer II, to be launched by April 1, will last four times as long as the one which went silent in Explorer I last night, scientists said today.

present administration has a record of "getting rid of unwanted agency heads by shoving them into forlorn-hope political races."

"The administration should keep Stassen on the job as a disarmament negotiator, rather than pushing him into Pennsylvania politics in order to get rid of him."

Dilworth's Remark May Hurt Chances

PITTSBURGH, Feb. 14 (AP)—Two of Pennsylvania's most powerful Democrats said tonight Philadelphia Mayor Richardson Dilworth's stand favoring recognition of Red China has hurt his chances for the party's gubernatorial nomination.

Both Pittsburgh Mayor David L. Lawrence and Democratic State Chairman Joseph M. Barr expressed criticism of Dilworth's position on the controversial issue.

Barr's comment, made in the presence of Lawrence, regarding Dilworth's candidacy in the light of his Red China remark was:

"Why don't you write RIP rest in peace?"



FCC's Mack to Testify For House Investigators

WASHINGTON, Feb. 14 (AP)—Federal Communications Commission Commissioner Richard A. Mack, accused of accepting money in a TV case, will get a chance to tell his side of the story to House investigators.

Chairman Harris (D-Ark.) of the House subcommittee on Legislative Oversight said Mack will be heard on Wednesday or Thursday.

First, Harris said, the investigators intend to question four Florida friends and acquaintances of Mack about the alleged payoff. They have been asked to appear on Tuesday.

Mack issued a statement today asserting the charges made against him by Bernard Schwartz, ousted chief counsel of the subcommittee, are "reckless" and "without foundation." Schwartz testified at an open hearing yesterday. Mack demanded an early opportunity to answer him.

The four asked to appear Tuesday are Judge Robert Anderson, Paul Scott, Thurman A. Whiteside and Perrine Palmer.

Whiteside was named by Schwartz as the Miami lawyer who allegedly turned over several

thousand dollars to Mack before the FCC awarded a television license for Channel 10 in Miami to a National Airlines subsidiary.

Palmer was mentioned in Schwartz' testimony as a close friend of Mack. Schwartz said Anderson was formerly a member of a law firm which represented Public Service Television, winner of the TV case, and Scott was a member of the same firm and a director of the TV company.

When Mack appears, Harris said, he will be asked to bring financial files with him.

Harris said Schwartz will return for more testimony Monday.

Collegian

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Product Development Engineer Gerald A. Maley, like many other engineers, mathematicians and physicists, came to IBM directly from college. Here he tells how he put his E.E. degree to work in the exciting new field of computer development.

What's it like to be with IBM?

"What really sold me," says Gerald Maley, "was the way they approach engineering at IBM. I had expected rooms full of engineers at desks. Instead, I found all the friendly informality of my college lab."

An E.E., he came directly to IBM from the University of Buffalo in 1953. Starting as a Technical Engineer, he was immediately assigned to work, with two others, on designing a small calculator. Jerry Maley learned a great deal about computers in a very short time. Incidentally, this small calculator has gone into production. "It makes an engineer feel good," he says, "to see his project reach the production stage—and to be able to follow it through."

Promoted to Associate Engineer after sixteen months, he became the leader of a nine-man team, assigning problems to his group for solution, approving their block diagrams and the models they built. A short while ago, he was again promoted—this time to



Assigning problem to group member

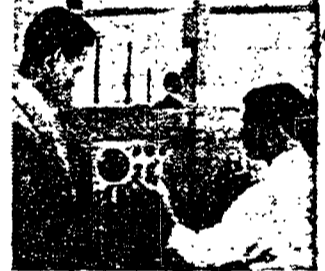
Project Engineer. "A particularly interesting aspect of my present job," Jerry Maley says, "is the further development of magnetic cores—new memory storage devices for electronic digital computers." His administrative details have been reduced to a minimum, freeing him for creative engineering work.

Perhaps an hour a day goes into paper work such as requisitioning equipment for his group and reviewing technical publications, in counseling members of his team, and preparing for trips to technical society meetings.

Why he chose IBM

Of course, there were many reasons why Jerry Maley selected IBM. He was vitally interested in computers, and IBM is a leader in computer technology. He comes from a scientific family (his brother is a mathematician), and is fascinated by these IBM mathematical marvels which are revolutionizing ways of doing things in so many fields. He enjoys working on large equipment... and on "pulses." "It's more logical," he says. "In computer work, you can actually see electronics at work. And it's not all solid math, either. What's more, this

field is so new, you're contributing along with everybody else in a short time." He endorses the IBM policy of promoting from within, with merit the sole criterion. The salary factor, although it was excellent, was not his first employment consideration, he recalls. The tremendous advancement potential was of greater importance.



Testing a new development

What about promotions?

When asked about advancement opportunities at IBM, he says, "You can hardly miss in this field and in this company. IBM sales have doubled, on the average, every five years. Company expansion at this rate—



Reviewing technical publications

in a dynamic industry—makes my future look bright indeed." Since Jerry Maley came with IBM in 1953, career opportunities at IBM are brighter than ever, as all business, industry, science and government turn increasingly to automation through electronic computers.

This profile is just one example of what it's like to be with IBM. There are many other excellent opportunities for well-qualified college men in Research, Development, Manufacturing, Sales and Applied Science. Why not ask your College Placement Director when IBM will next interview on your campus? Or, for information about how your degree will fit you for an IBM career, just write to:

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