

TEN-YEAR BATTERY DEVELOPED BY TEL AVIV UNIVERSITY

BY ELISSA ALLERHAND

A new battery has been developed by Tel Aviv University's Dr. Emanuel Peled and Herzl Yam'in which can be used for a period of up to ten years; is 50 - 100% higher in energy density per weight than today's long-term batteries, and thus more compact; and is cheaper to construct. The new battery, the only one in the world to combine lithium and sulphur, which yields one of the highest energy densities possible, can thus be smaller than existing batteries and yield the same energy levels.

The new battery should be useful for a wide range of purposes, primarily in appliances and in-

struments that require long-term, low power, such as: pacemakers, calculators, electronic watches, and smoke detectors; safeguarding the memory of microcomputers for industrial, commercial, scientific, and household uses, in which the memory can be lost by a power failure; long-distance, inaccessible instrumentation in which batteries cannot be replaced, such as for military purposes.

The battery of highest energy density and long-term use on the market today, the lithium/tionyl chloride battery, is more expensive to construct, is technologically more difficult to produce, and the chemicals are more corrosive and require

a glass seal; whereas the new battery features chemicals that are easier to work with and technologically simpler to produce for mass production, and can be sealed with a plastic seal. Unlike existing long-term batteries, the new battery developed at Tel Aviv University is also potentially rechargeable.

The common, short term, transistor/flashlight-type batteries provide only about 12% of the energy capacity per weight of the new lithium-sulphur cell. Their maximum shelf life or continuous operation time is only two years.

FAREWELL TO AMBASSADOR EVRON



SHALOM, EPPIE! AT A FAREWELL LUNCHEON IN NEW YORK, ISRAEL'S RETIRING AMBASSADOR TO THE UNITED STATES, EPHRAIM EVRON, RECEIVES A SCULPTURE OF ISAIAH FROM THE SCULPTOR, CHAIM GROSS. MRS. EVRON STANDS NEXT TO HER HUSBAND. CENTER, YEHUDA HELLMAN, EXECUTIVE DIRECTOR OF THE CONFERENCE OF PRESIDENTS OF MAJOR AMERICAN JEWISH ORGANIZATIONS, WHICH SPONSORED THE EVENT. RIGHT, HOWARD M. SQUADRON, CHAIRMAN OF THE PRESIDENTS CONFERENCE.

W. GERMANY BANS NEO-NAZIS

BONN (WNS) -- West German authorities banned a neo-Nazi group because it aimed in "a conscious and desired effort" to revive Hitler's program, according to a report here. The crackdown on the People's Socialist Movement of Germany - Labor Party and its youth section, the Young Front, came in a series of raids in West Berlin, Bavaria, Baden Wu-

erttemberg, Hesse and Lower Saxony, the authorities said.

Hundreds of rounds of ammunition, Nazi like flags, swastikas, portraits of Hitler and neo-Nazi material were seized. Some of the literature was thought to have been sent here from American neo-Nazi Gary Lauck, who operates from Lincoln, Nebraska.

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