**Doc** receives science award

By Barb Moore

In an announcement made Wednesday, Professor of Electrical Engineering Harold "Doc" Edgerton was named one of this year's 11 recipients of the National Medal of Science.

This award is the government's highest for "distinguished achievement" in science, and the first to be given to Edgerton in ceremonies at the White House October 13. The White House cited Edgerton's "vision and creativity in pioneering in the field of stroboscopic photography, and for his many inventions of instruments for exploring the great depths of the ocean." The recipients of the award were chosen by the President, along with the Committee on the National Medal of Science. When contacted by The Tech, Edgerton commented that this award is an "honour to me as well as to the Institute and in my friends."

Edgerton is currently working on ocean sonar research, and is attempting to apply sonar techniques to archeological exploration. This is his only present project and he sees nothing beyond his sonar work as possible subjects for new research. "If something shows up, I'll jump on it," he remarked.

Considered by many to be the father of the electronic flash, Edgerton is responsible for the transformation of the stroboscope into a sophisticated scientific tool. Early in his career, he named General Electric where he became an elementary strobe to study motors. That's where his first studies of scopic work, and his research has continued since then.

Rapidly flashing light, if synchronized with the rotation of motors, generators and flywheels, is a useful tool to engineers. So Edgerton began to study the stroboscope, his goal this early work was to increase energy and develop better control.

This original goal is still being studied by Edgerton, and development has been continuing ever since.

One of the accomplishments for which Edgerton is most noted is his stroboscopic photography. His photographs of bullet, shuttering light bulbs, and the famous milk drop picture all display the uses of the strobe. The ultra-high speed photography. The motion is stopped by the use of high frequency flashed light, and creates multiple exposure view of the action as it systematically occurs.

This year the Institute established a $50,000 educational fund in honor of Edgerton. The funds will be used for support of research by younger members of the MIT faculty. In establishing this fund, the Institute mentioned the "devotion, affection and warm friendship" given students and faculty members by Edgerton and his wife. A book which Edgerton co-authored, Flash, served as a practical tool, and presented it as a practical tool. The book was not a Big seller, said Edgerton, but it did "introduce the strobe as something everyone could use."

Edgerton is chairman of the MIT faculty as an instructor in the electrical engineering department, and in 1966, was given the title of Institute Professor.

Skolnikoff will not step down until after the needs of each department are defined in the "affirmative action plan by department". After the needs of each department are defined in the "affirmative action plan by department". Then the plan, as Wynne expressed it, is a "starting point. The first step is to analyze the employment situation and determine whether women and minority groups are underutilized in respect to the relevant labor market." This "utilization analysis" is done with respect to each individual department.

By focusing the plan on the departmental level, Wynne hopes to make requirements more definite. He stated that you can't make plans on the top and expect any commitment to occur. MIT is the first major educational institution to do this.

After the needs of each department are defined in the "affirmative action plan by department". Goals and timetables for each step in this plan are then decided, and a set of policies and procedures must then be prepared.

Wynne emphasized the fact that these recommendations are not quotas, and that the Affirmative Action Plan is not merely a façade the quota hiring. One (Please turn to page 2)

**IFC completes hearings; SAE, ICA, ZBT, DKE fined**

In an action without precedent in recent years, the late-Fraternity Council Judicial Committee (IFC Judacon) has levied fines totaling $375 against four houses, according to its Chairman Drew Joughen '74 (DTD). Joughen gave the unanimous Judacon decision to The Tech Wednesday night, after informing the houses involved of the decision. Official notification was to be mailed yesterday morning.

The largest fine, totaling $150 ($50 suspended), was levied against the SAE house. Others fined were LCA ($200), ZBT ($75), and DKE ($75). Judacon was unable to take any action on a complaint by AEP against Baker House, because it did not have jurisdiction in the case. They hoped to initiate a dialogue with Dormcom and the office of the Dean for Student Affairs to discuss the issues raised.

Among those are, positions of outgoing phones for freshmen, the responsibilities of dormitory aides, which make an active noise, message mechanisms for freshmen in dorms.

The role of the IFC next step is to take the positive steps to remedy any deficiencies. Goals and timetables for each step in this plan are then decided, and a set of policies and procedures must then be prepared.

In this decision is pending appeal, as is a $150 fine for "conduct detrimental to a freshman," which resulted from an incident in which a freshman was led by three houses, which was discouraged when he tried to pledge SAE by being told that the house would be overcrowded if he pledged.

That's Joughen's determination of the facts. But according to Greg Hawkins '75 (Please turn to page 2)