**WEISSKOPF HITS H-BOMB PAVILION**

**Prevention of H-Bomb Use Justifies Its Manufacture**

**Say M.I.T.'s Top Physicists**

**Songs, Dances, Numbers Set As Tech Show ’50 Rehearses**

**Title is “Stranger In Town”**

**Stars of the 1950 Tech Show, “There’s A Stranger In Town,” to be presented March 17 and 18 in the Cambridge High and Latin auditorium. Tickets have been set at $1.20, $1.80 and $2.40.**

Several previews of “Stranger In Town” to be held at Technology and other colleges in the Boston area are under consideration by the managing board. Also entertainment by members of the cast is being planned for various social events to be held here in the next few weeks.

**Final Rehearsals**

The cast and chorus have been rehearsing regularly since early November and an intensive rehearsal schedule is planned for the remaining few weeks before the show.

Among the fifteen numbers in the musical score are “There’s A Stranger In Town,” the opening chorus number, and “If I Love Him Any Old Way” and “Dear Mr. Weatherman” which will be sung by Gwen Downhill in the role of Jenny. “Till A Man Comes Along” will be directed by Joe Tottieb ’50, who will portray Lieb Alchoff’s ghost. “There’s a Joke” (of That Ghost)” will be a big production number that will close the first of the two acts in the show.

**Eight Appointments Made In M. S. Dept.**

Appointment of eight members of the faculty has been announced by Dr. James McGowan, Jr., president of the Institute.

**H-Bomb’s Future Useful As Weapons**

**KILLIAN ON SECRECY POLICY**

As a citizen I welcome the vigorous occasion now taking place about our national and international policies in handling the Hydrogen bomb development. Here again we are up against the hard necessity of protecting our weapons’ secrets, but of doing so without losing the maximum opportunity to debate and appraise policies and decisions which affect the national welfare and which involve moral considerations best decided by the open process. It is my only satisfactory solution of this dilemma is the ultimate achievement of international control and the consequent disappearance of any need for secrecy.”

---

**As Time Goes By**

As a representative of the American Physical Society, Dr. Weisskopf and Dr. Bruno Rossi, also Professor of Physics here at the Institute, joined the other physicists in answering the declaration.

Emphasizing the stand which the twelve men made in regard to the manufacture of the H-bombs, Dr. Weisskopf quoted tears from the Declaration as follows: “We believe that it is only one justification for our declaration that in the case of any disagreement of any need for secrecy.”

The twelve physicists commented on the first time that a bomb was potentially possible which would have one thousand times the destructive power of the atomic bomb. They were attending the annual meeting of the American Physical Society.

**Synchrotron Passes Tests**

Work Already Started On New Accelerators

The 300 million volt synchrotron, under Dr. Robert B. Lipton of the Laboratory for Nuclear Science at the Institute, has, according to Dr. James B. Killian, Jr., president of the Institute, recently completed its first operation tests. The announcement of the synchrotron’s completion was made by Dr. Jerrold R. Rabinowitch, director of the Laboratory for Nuclear Science, and was supported in part by the Office of Naval Research.

**Will Produce Mesons**

With the synchrotron, physicists shoule be able to probe further in the realm of nuclear physics and he able to attack those, the understanding of the strongest forces known to science — those which hold the atoms together. The synchrotron’s search to this problem will be made through a study of cosmic rays which are thought to be emitted by many nuclear processes. Of particular interest are the particles called mesons. According to Dr. Weisskopf, “The Institute’s synchrotron is powerful enough to produce mesons artificially, and it

---

**Continued on Page 4**