FRIDAY - Short talks

11.00 - 12.15 a.m.

(1)  Prof. Daniel Handali:  Recent Changes in the Education Systems
at  the Bandung Institute of Technology.

In the context of Indonesia being in its second five-year plan,
and the corresponding need for engineers, Prof. Handali outlined the
new four year curriculum at the Bandung Institute of Technology.  The
curriculum is preceded by a 6 month matriculation or pre-university
period, and followed by a 2 year post graduate faculty program which
will be set up in 1976.  The distribution of the 1000 students into
department year by year shows a very low preference for mathematics,
physics, chemistry, astronomy, and biology.  The various engineering
emphases have a considerably higher enrolment.

(2)  Dr. Carl A. Argila:  Computer Oriented Mathematics at
De La Salle College.

With a preliminary sketch of the societal environment in which
mathematics education finds itself in the Philippines, Dr. Argila
addressed the question:  What kind of mathematics is relevant in a
developing country?  The response at De La Salle College was outlined
- - a "computer oriented" mathematics curriculum which is designed
(i) to give students a working knowledge of a computer language,
computer fundamentals, and numerical techniques,
(ii) to give orient students towards the types of careers in
mathematics which will contribute to National Development, and
(iii) to connect the curriculum to social awareness and involvement.

(3) Dr. Ranesh **Chandra** Dutt:  The Unifying Influence of Mathematics
in the Study of Diverse Scientific
and Technological Phenomena.

Dr. Ranesh presently several examples of mathematics powerful
unifying influence in science and technology.

With his examples, he showed that mathematics is a ground for
unity for (i) deterministic phenomena,  (ii) non-deterministic
phenomena,(iii)phenomena which require numerical solutions (numerical
analysis), and  (iv) the space time continuum in the Special Theory
of Relativity.  Mathematics plays a central role in man's unending
quest for unity amidst diversity.

(4) Dr. John Abramowich:  The Off-Campus Program at the
Universiti Sains Malaysia.

Dr. Abramowich outlined the structure, scope and operation
of the USM off-campus program, which, under the direction of
Mr. Paul Ghang, was inspired by the Open University in the U.K.
The first year's operation (1973) of the program in mathematics
(calculus) was summarized. It was a successful first year.