

SECY.

**Ottawa Valley**

(CHAPTER)

*Send blue copy, together with white form on chapter attendance record, to Membership Division, ASHRAE United Engineering Center, 345 East 47th Street, New York 17, N. Y.*

**I. Paterson**

PRES.

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.**

**A CHECK LIST OF ITEMS TO BE REPORTED**

1. PRESIDING OFFICER
2. CALL TO ORDER (TIME & PLACE)
3. ROLL CALL
4. APPROVAL OF MINUTES
5. REPORTS
6. ELECTION MEMBERS OFFICERS
7. OLD BUSINESS
8. NEW BUSINESS
9. SPEAKER (TITLE) (BUS.) (CITY) SUBJECT
10. DISCUSSION
11. MOTIONS
12. RESOLUTIONS
13. OTHER FEATURES
14. LIST ON SEPARATE FORM NAMES OF GUESTS AND BUSINESS ADDRESSES AND MEMBERS IN ATTENDANCE.

The regular April meeting of the Chapter was held at the Cathay Restaurant on Tuesday, April 21, 1964 with President Ian Paterson presiding.

The meeting was called to order at 6:30 p.m. with 40 members and 7 guests in attendance.

The minutes of the March meeting were read by the secretary.

Motion by Ed Harling, seconded by Stan Bullis "that the minutes be accepted as read" -- motion carried.

The Regional Conference Chairman, Bill Robinson reported on the final plans of his committee and outlined in detail the Conference arrangements.

President Paterson read a letter from Prof. Ruptash of Carleton University who indicated that no suitable topic was submitted by a Carleton student this year and the annual prize offered by this Chapter could, therefore, not be awarded. President Paterson promised that the Board of Governors would look into Prof. Ruptash's suggestion to award the prize in future years to the 4th year student attaining the highest mark in the regular curriculum refrigeration course.

The secretary read the proposed nominations by the nominating committee as follows:

**NOMINATIONS FOR**

President	Don McKeen
Vice-President	Gordon Goodkey
Secretary	C. Schock
Treasurer	J. Kennedy
	L. Greenough

Board of Governors:	George Carscallen
	Bob Legare
	Drew Hearndon
	Bob McPherson
	Frank Partridge
	Jack Bowie

Frank Mallozzi on behalf of the Montreal Chapter remarked that arrangements had been made for their annual golf tournament on June 2, 1964 at LaChute, Quebec. All members of the Ottawa Chapter were once extended an official invitation.

Following the usual break period, Bob MacPherson introduced the guest speaker, Mr. Balint Bodroghy. Mr. Bodroghy is Assistant to the General Manager of L'Air Liquide in Montreal.

Mr. Bodroghy's topic was The Impact of Cryogenics on Today's Industry. He defined Cryogenics as the production and utilization of very low temperatures. He outlined briefly the apparatus used in the production of liquid gases some of which have boiling points near absolute zero. The more common gases that are liquified by this industry include oxygen, nitrogen, methane, hydrogen, carbon dioxide, carbon monoxide and Helium.

Some examples of the utilization of this industry were outlined and illustrated by slides. These included the liquefaction of gases for transportation and storage purposes; the separation of gases from a gaseous mixture by liquefaction; the production of refrigeration by fast freezing of food and the cooling of food carriers by the evaporation of the liquid gases; the production of high pressures for testing purposes and the generation of high vacuums by actually "freezing out" the gases onto a very low temperature plate installed in the chamber.

Other uses of cryogenics illustrated by Mr. Bodroghy include the rejuvenation of old oil wells by the injection of liquid gases into the ground which generate high pressures and restore the well; the cold working of certain metals at very low temperatures, which results in increasing the tensile strength of the material several times. According to the speaker further developments in this field will cause great changes in many fields of industry in future years.

The speaker was thanked by Mr. George McRae.

Motion by George Carscallen, seconded by John Matynia "that the meeting adjourn" -- motion carried. The meeting adjourned at 9:30 p.m.

