

CHICAGOLAND PHARMACEUTICAL DISCUSSION GROUP

Affiliated with the American Association of Pharmaceutical Scientists

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Volume IX, Number 2

PROGRAM: THE DRUG, THE PROCESS, THE GLASSY STATE AND THE LAW

DATE: WEDNESDAY, NOVEMBER 14, 2001

SPEAKER: DR. ALAN MacKENZIE, UNIVERSITY OF WASHINGTON

Drug substances have often been preserved of necessity by one or another drying process. Air drying, spray drying, vacuum drying and freeze-drying have all been employed and found to work. The drugs themselves have sometimes crystallized during the process and been preserved as a separate physical phase. Many times the drying process has reduced the drug and other substances present to a multi component amorphous state, generally a physically solid one. Solid amorphous states are also known as glasses and said to be glassy. Much confusion appears to attend the discussion of these physical states and the possibility that some of them may yet be novel. A further confusion seems to cloud the discussion of the processes that may or may not convert wet pharmaceutical systems to the same so-called glassy states. The speaker will recall a recent court case, now concluded, in which glassy states were recognized as prior art and address questions related to process novelty.

Dr. MacKenzie took all his degrees in Chemistry at the University of London in the 1950's and began what became a continuous career in freezing and freeze-drying in 1959 when he joined Professor B. J. Luyet* in Madison, Wisconsin. He made a move from the University of Wisconsin to the University of Washington in 1976. Dr. MacKenzie has published more than 60 papers on freezing and freeze-drying and has presented more than 120 papers from the platform at national and international meetings. His work has focussed on the physical chemistry of the subject and on pharmaceutical, diagnostic and microbiological applications. Dr. MacKenzie retains an appointment at the University of Washington in Seattle and consults for the pharmaceutical industry opportunistically. He claims that he enjoys the mix.

* footnote: Luyet is pronounced: "Loo-yay"

TIME: 5:30 PM – SOCIAL HOUR

6:30 PM – DINNER

7:30 PM – MEETING

PLACE: COUNTRY SQUIRE RESTAURANT

19133 W. BELVIDERE RD., GRAYSLAKE, IL

COST: \$40.00 + \$10.00 MEMBERSHIP (For NON-AAPS Members)

FOR RESERVATIONS CALL CPDG ANYTIME AT (847) 938-5927

Please Note Price Change & Meeting Date

When Calling, Please Leave Your Name & Phone Number

Deadline for registration: 4:00 p.m., Wednesday, November 7, 2001

NO-SHOWS WILL BE BILLED ACCORDINGLY

VEGETARIAN MEAL AVAILABLE UPON REQUEST

**DIRECTIONS TO THE NOVEMBER 14, 2001, CPDG MEETING AT COUNTRY SQUIRE RESTAURANT
19133 W. BELVIDERE RD., GRAYSLAKE, IL**

- **EXIT I-94 AT BELVIDERE ROAD (ROUTE 120)**
- **WEST 4.4 MILES ON BELVIDERE RD TO COUNTRY SQUIRE RESTAURANT
(RESTAURANT ENTRANCE IS ON LEFT SIDE OF THE ROAD)**



**CPDG
P.O. Box 334
Lake Bluff, IL 60044**