

Wilcox Joining Shuttle's Spacelab 3 Team

This spring William R. Wilcox, chairman of Clarkson University's chemical engineering department, will participate with a ground-based team supporting an experiment aboard Space Shuttle's Spacelab 3. The team will advise two Shuttle astronauts on problems they may encounter in performing the experiment.

Wilcox is internationally known in the scientific community for his work on crystal growth. He was recently elected a Fellow of the American Institute of Chemical Engineers, a rare honor bestowed upon those chemical engineers who in the judgment of their peers have attained significant professional accomplishments in engineering.

"Nobody else has really made a serious effort to grow crystals from solution in space yet," noted Wilcox. "Part of the reason is that they don't grow very fast, about one-twenty-fifth of an inch per day." NASA has allowed two days for each of three experiment runs to be conducted, so Wilcox, though expecting growth in the neighborhood of one-sixteenth of an inch, will be more concerned about the way crystals grow. After perfecting this process over a long period of time, he anticipates that such materials could eventually be used commercially.

For the past five years, three of Wilcox's graduate students, Lee-Cheng Liu, Hak-do Yoo and Beth Shaffer have worked to develop computer simulations of the growth process. Their results were used by NASA to set the exact conditions for the flight experiment, and will be used further to help interpret the results.

The professor's research has also taken him to new heights. During 1984 he and Clarkson colleague Professor Robert Cole flew aboard NASA's KC-135, a flight laboratory for the space agency's Material Processing In Space Program. This modified Boeing 707 provides a temporary weightless environment for up to 50 parabolic

maneuvers, some 34,000 feet above the Gulf of Mexico. The trips allowed the Clarkson professors to perform several low gravity experiments.

Wilcox has written more than 140 publications and has given over 150 talks throughout the world at conferences, universities and corporations. Many of these were on the topic of materials processing in space. He was recently elected vice president of the American Association of Crystal Growth and to the editorial advisory boards of two journals, as well as editing the seven volume series, "Preparation and Properties of Solid State Materials" and the book "Fractional Solidification."

As one of the early pioneers in the field of materials processing in space, he participated in experiments on crystal growth phenomena which took place aboard SKYLAB in 1974. NASA has recognized his expertise in this area by appointing him to various advisory bodies including a recent workshop on planning for the Space Station. He serves as an executive member of the Interdisciplinary Scientific Commission on Materials Sciences in Space of the Committee on Space Research (COSPAR). He chaired the SES Engineering/Science Advisory Board to NASA in 1981.

Besides the experiment scheduled for April, Wilcox and his graduate students are helping with another materials processing experiment which is scheduled for 1985. They are also participating in the design of a new apparatus for space experiments.

To prepare for the Spacelab 3 mission, Wilcox will travel to the Johnson Space Center in Houston during February and March. There he will join other specific research teams to participate in mock flights of Spacelab 3. Such simulation exercises, which last for one to three days, allow the ground-based teams and the astronauts to learn how to communicate and to anticipate problems that might occur during the actual shuttle flight and to work out solutions by changing working procedures or fixing equipment.

Council Elects 1985 Officers

BY MILDRED JENKINS

Consistent officers on the outgoing year of the St. Lawrence County Council of Senior Citizens Inc. was held at the regular meeting of the SLCCSG which was held Dec. 13 in the cafeteria of Midtown Apartments in Potsdam, with the president, Mildred Singleton, Massena, presiding.

Elected were: president, Dorothy Ayers, Colton; first vice president, Mildred Gilmore, Potsdam; second vice president, Inah Eichorn, Gouverneur; secretary, Janette Curtis, Brasher Falls; treasurer, Rose Valya, Norwood; and assistant treasurer, Corinne Covey, Hannawa Falls. The outgoing president is Mildred Singleton, Massena.

The new president, Dorothy Ayers, re-appointed the following officers: historian, Mabel Wells, Madrid; parliamentarian, Jesse O'Hara, Gouverneur; Viola Kilroy, registrar; and publicity, Mildred Jenkins.

The outgoing president presented each of the officers, who have served with her the past two years, with a gift, and also thanked all of the committees who have served.

In response to the resolution passed at the Dec. 13 meeting during "We the representatives of the St. Lawrence County Citizens have passed a resolution to urge you to fight for a National Health Program" letters have been received from Congressman David Martin and Senator Patrick Moynihan.

Congressman Martin said that he will continue his efforts to help insure that reasonable health care costs are maintained and he will carefully consider any national health insurance measures debated before Congress.

Sen. Daniel Patrick Moynihan said he will be involved actively in efforts to formulate plans for comprehensive national health care proposals that are less ambitious. He stated, "I am keenly aware that these decisions cannot be left only to government officials and health care professionals. They ultimately must reflect the concerns and needs of everyone affected by them and I am grateful to you for sharing your views with me."



WILLIAM R. WILCOX



SNELL AWARD — Marjorie de G. Litchfield, left, wife of Edward S. Litchfield, president and chairman of the board of directors of the Litchfield Park Corporation, accepts the Bertrand Snell Award for her late husband. Presenting the honor was Dr. Bayard Clarkson, chairman of the Clarkson University Board of Trustees and Mrs. Sara Snell Petersen, daughter of Bertrand Snell.

Potsdam Prof Aids In Editing Darwin's Letters

William Montgomery, professor at the School Within-the-School at Potsdam College, served as associate editor of the recently published "Calendar Of The Correspondence Of Charles Darwin."

The "Calendar" lists nearly 14,000 letters to and from scientist Charles Darwin, located in collections all over the world. The "Calendar" dates each letter (Darwin usually failed to do this), summarizes its contents, and provides information regarding its current location and place of previous publication, if any.

Montgomery has also acted as associate editor (with Frederick Burkhardt, Sydney Smith, and David Kohn) in preparing a letterpress edition, "The Collected Correspondence Of Charles Darwin" (Cambridge University Press). Volume One, which includes all correspondence to the end of the

Beagle voyage, is due to appear in February 1985 and Volume Two is also in progress.

Montgomery was especially involved in editing Darwin's letters to his geologist mentor, Charles Lyell, which are now preserved in the library of the American Philosophical Society in Philadelphia.

Darwin's letters provide a valuable record of his famous voyage and of his subsequent life in the Village of Downe. Because of his somewhat isolated residence, Darwin had to keep in touch with his fellow scientists largely through letters. The correspondence reveals his keen interest in such diverse subjects as stratigraphy, petrology, hybridization, sexuality, human and animal expression, plant tropisms, and the behavior of worms — as well as his overriding lifelong preoccupation

with evolution.

The letters also offer a vivid impression of family and social life among the Victorian gentry, presenting Darwin not only as a dutiful son, devoted husband and conscientious father, but also as a prudent and successful investor and as a socially conscious gentleman active in the affairs of his parish and involved in the broader organizational questions of British scientific life.

Assumes Practice

Dr. Anthony Reddy, a urologist from Malone, will temporarily be covering Dr. Benjamin Avila's practice at 1 Riverview Dr., Potsdam, effective Jan. 3.

Dr. Reddy will hold office hours from 9 to 5 p.m. on Tuesdays and Thursdays until further notice.

Patients can make appointments by calling Dr. Avila's office at 265-4400 or Dr. Reddy's office in Malone at (518) 483-7555.

Masons Sponsor Citrus Sales

St. Lawrence Masonic Charities is launching its annual citrus fruit sale to raise money for scholarships for graduating seniors in all of the high schools in St. Lawrence County. Last year Masonic Charities awarded 20 students \$400 scholarships to graduating seniors. This year temple oranges and pink grapefruit will again be available as indicated below:

Small box of oranges — \$10.50; large box of oranges — \$19.50; small box of grapefruit — \$8.00; and large box of grapefruit \$14.50.

Orders will be taken by members of the Masonic Fraternity through out St. Lawrence County until Feb. 11, 1985. Orders will be delivered to members on Feb. 23, 1985.

In addition to the citrus fruit sale, St. Lawrence Masonic Charities is also selling McCadam Cheddar cheese and Moore's Russell cheddar cheese and cheese curd on an on-going basis.

Another activity that Masonic Charities is strongly supporting is contributions to the Statue of Liberty Fund. To support this worthy project, masons are selling solid chocolate Statue of Liberty figures for \$3.50 each. The profits of \$1.75 each goes to the Statue of Liberty Fund. Anyone wishing to purchase a chocolate Statue of Liberty may contact the master of your local lodge. If anyone wishes to make a direct contribution to the Statue of Liberty Fund they can make a check payable to the Statue of

Liberty Fund and mail it to the Statue of Liberty Ellis Island Foundation, Inc., P.O. Box Liberty, New York, N.Y., 10117.

Plans Underway For 20th Carnival

BRASHER FALLS — The Tri-Town Chamber of Commerce is gearing up for its annual 20th Winter Carnival to be held Feb. 14-17, in the Brasher, Winthrop, North Lawrence areas. This year's theme — "Reflections — 20 Years."

Denis Doyle, chairman, reports committees are being formed for the various events, and urges anyone interested in participating on any level to contact the Chamber office at 389-5455. New ideas and suggestions are always welcome.

Parade chairman Mike Best stated the parade will be on Feb. 16, and he is currently working on the lineup for floats, marching bands, drum corps, and other marching units.

One of the highlights of this year's Carnival will be the appearance of Willie & Co., who have

been engaged for three performances during the Carnival weekend. Willie & Co., featuring Peggy Miller, is one of America's greatest ventriloquism acts. They have appeared on many television shows and nightclubs, and have proven to be a delight to audiences of all ages.

Other events scheduled to date are: opening ceremonies, kick off dinner, men's and ladies pool tournaments, tug of war, bed races, shuffleboard tournaments, wheelbarrow races, air guitar contest, dart tournament, Miss Seaway Area Teenage Pageant, variety/talent show, and hockey tournament.

The next scheduled Winter Carnival meeting is Jan. 10, at Riverside laundromat meeting room in Brasher Falls at 8 p.m.

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60% OFF Lane Oak Parquet end Table. Our Reg. \$204.95, Sale \$79	50% OFF 3 Pc. Hammary Glass Top Cocktail, 2 Ends. Our Reg. \$917, Sale \$459	25% OFF 4 Pc. Lane Oak Bedroom. Our Reg. \$2,675, Sale \$1,999
50% OFF Modern Lathe Work Floor Clock. Our Reg. \$469, Sale \$229	25% OFF Entertainment Center by Interline. Our Reg. \$389, Sale \$289	25% OFF Lane Dark Pine Cedar Chest. Our Reg. \$279, Sale \$199
75% OFF Modern Wood Table Lamp. Our Reg. \$93, Sale \$19	25% OFF Pennsylvania House 5 Pc. Oak Bedroom. Our Reg. \$2,979, Sale \$2,199	35% OFF Clayton Marcus Sofa, Chair in Cotton Print, Reg. \$1,348, Sale \$999
40% OFF 3 Pc. Oak Wall Units and Dry Bar. Our Reg. \$1,726, Sale \$999	50% OFF Temple Stuart 37" China. Our Reg. \$9765, Sale \$379	30% OFF Lane Chairside Table, Glass Top. Our Reg. \$349.95, Sale \$239
25% OFF Solid Cherry 3 Drawer Mini Chest. Our Reg. \$299, Sale \$219	30% OFF 7 Pc. Schweiger Sectional in Nylon Fabric. Our Reg. \$1,799, Sale \$1,249	35% OFF Daystrom Butcher Block China. Our Reg. \$599, Sale \$389
25% OFF La-Z-Boy Rocker Recliner, Nylon Fabric. Our Reg. \$599, Sale \$449	25% OFF Early American Sleeper Sofa. Our Reg. \$799, Sale \$599	25% OFF Moosehead Double Pedestal Desk. Our Reg. \$619, Sale \$459
25% OFF Pennsylvania House Occasional Chair. Our Reg. \$535, Sale \$399	60% OFF 3 Pc. Dark Pine Cocktail, 2 ends. Our Reg. \$349, Sale \$139	50% OFF Barcalounger Rocker Recliner. Our Reg. \$540, Sale \$269



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Thank you for your patience with this matter!

DATE: Wednesday, January 9th
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WHERE: Potsdam, Parishville, Sanfordville, Norwood, Norfolk, Raymondville, Hewitville.

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