



CHRISTMAS MESSAGES

Director's

Bells are part of the Christmas Season. Big bells that ring out for good cheer and great tidings and little bells to herald the welcome guest or cheer the traveller on winter roads. We hope all kinds of bells ring for you in this Holiday Season, and bring in a New Year that is full of joy and happiness.

DDO has some pretty big bells to ring this Christmas and throughout the year, and we hope to ring "Las Campanas" for all they are worth. Join in if you can!

MR

Students'

The graduate students extend their wishes for a Merry Christmas and a Happy New Year to all members of the Astronomy Department and their families. We hope that everyone has a joyful Christmas Holiday and that 1972 proves to be a prosperous and rewarding year for all.

Bob Chambers

DDD's

Jennie and Debbie and Joan and Jack wish a very Merry Christmas to all our readers!

OBSERVING

Gretchen Hagen returned last week from Las Campanas where she had a successful three-week observing run. There were some problems, but only one power failure interrupted the observing. Dr. Serge Demers of Laurentian U. will be observing until Christmas when Dr. Garrison will take over until after the New Year.

COMINGS AND GOINGS

Dr. van den Bergh gave talks on "The Stellar Population of the Nuclear Bulge of the Galaxy" at the University of Rochester on Nov. 29, at Harvard Dec. 2 and in Puerto Rico (AAS Meeting) on Dec. 6. On Dec. 16 he attended an N.R.C. Grants Committee meeting in Ottawa.

Dr. Bolton also attended the AAS Puerto Rico meeting, presenting a paper on his spectroscopic orbit for the ninth magnitude BoIb star HDE 226868 which he equates to the variable X-ray source Cyg X-1, presenting arguments for the intriguing idea that the companion in the system is a black hole.

Others attending the Puerto Rico meeting were Drs. Clement, Coutts and Kronberg, while Dr. Anand attended the High Energy Astrophysics Conference that preceded it.

Dr. Sanyal left on Dec. 11 for a three to four week holiday with his family in India.

Dr. Hogg returned from Geneva on Dec. 7.

SEMINARS

DECEMBER --- As announced.

JANUARY

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| Tues. Jan. 4
D.D.O. | Peter Martin, Institute of Theoretical Astronomy,
Cambridge, Eng. "Interstellar Polarization". |
| Wed. Jan. 5
McLennan
Room 137 | Dr. R. N. Henriksen, Queen's University, "Relativistic
Stellar Winds and Pulsars". |
| Tues. Jan. 18
D.D.O. | Dr. G. Michaud, University of Montreal, "Diffusion vs
Nuclear Synthesis in Peculiar A Stars. |
| Tues. Jan. 25
D.D.O. | To be announced. |

PAPERS SUBMITTED FOR PUBLICATION

- K.W. Lake
and S.P.S. Anand "The Radiation Stress-Energy Tensor.
I. Dispersive Effects".
- M.D.T. Naylor &
S.P.S. Anand "Structure of Close Binaries. II. Theory
of Uniformly Rotating Binaries".
- P.P. Kronberg,
R.G. Conway & J.A.
Gilbert "The Polarization of Radio Sources with
Appreciable Red Shift

MISCELLANEOUS

Christmas Countdown

The traditional pre-Christmas affair, in which we spoof astronomy and ourselves, took place on Dec. 14. (Does anyone remember when they started? Not later than 1964, I know; perhaps much earlier). In recent years, and especially this year, much of the student effort has gone into the production of the David Dunlap Droppings.

Congratulations to the students, particularly Bob Hawkins, Bob Chambers, Dave Hanes, R. Deupree and Barry Madore for seeing the funny side of life at the D.D.O.

Correction

Dr. G. de B. Robinson of Mathematics has phoned to correct an error in last month's Editorial. We spoke of W.J. Loudon being Professor of Physics and 1891 and later President of the University. This should have read James Loudon. "W.J.", James' nephew, was a friend and contemporary of Dr. Chant who later became Professor of Mathematics, and he was the grandfather of Mrs. G. de B. Robinson.

Invited Discourse

Dr. van den Bergh has been invited to give a lecture on "Schmidt Telescopes and Extragalactic Research" at the H.Q. of the European Southern Observatory in Hamburg as part of a symposium being sponsored by E.S.O. and S.R.C. in March.

Visitors

Peter Martin (M.Sc. 1969) who is at Cambridge just finishing his Ph.D. program, has been visiting the Department for the past few weeks and has now left for an observing run at McDonald Observatory in Texas to try an interesting optical polarization observation on the Crab Nebula. He will return here briefly in January before going back to Cambridge.

Dr. Donald C. Morton (B.A. 1956) of Princeton University and Mrs. Morton will be visiting the Observatory on Dec. 22.

Dr. Tony Moffat M.Sc. 1966, of the Ruhr University at Bochum is spending the holidays in Canada and visited the Observatory on Dec. 20.

Alumnus

Jim Newton (B.Sc. 1969) has written to say that he is completing his second year as a CUSO teacher in Guyana and hopes to return to the University in 1972 as a graduate student in Biophysics.

NG

I have a student this year whose surname appears to be this terse combination of consonants. I have been practising saying it, but the best I can muster is a curious nasal sound of low volume and non-committal tone. I suspect that NG himself is a little confused about his name, because the other day I was making a note in his presence to change his mark on a test, and, as I was writing "NG", NG asked indignantly, "What's that?" I looked at him in amazement and said, "That's you!" "Oh", said NG.

Perhaps NG's problem is similar to that of Dr. Su Shu Huang who, in a talk involving variable stars in 1956, told us that he had been on this continent for several years before he realized that, being a man and not a star, he should put in a space and two periods when he wrote his initials.