

COMMITTEE REPORTS

CLASSICAL CEPHEID, Chairman: Thomas A. Cragg
 Anglo-Australian Observatory
 Private Bag 4
 Coonabarabran, N.S.W. 2857
 Australia

97 observers contributed data during the period from JD 2442000-2443000. The phasing and averaging during this period for all the Cepheid variables in the AAVSO observing program have now been completed, and the mean curves have been drawn. The tables of contributing observers, total number of observations, and stars observed have also been completed. The completion of the work and its publication are expected to take place before too long.

CHART DISTRIBUTION, AAVSO Headquarters

The following is a report of AAVSO standard charts distributed from Headquarters from October 1, 1981, to March 31, 1982. 164 chart orders were filled, including 56 for new members.

8 x 10 standard charts	7625
Finder Charts	145
AAVSO Atlas "Old"	5
AAVSO Variable Star Atlas "New"	35

We encourage observers to use the standard chart order form when ordering charts. This form is obtainable from HQ.

NEW CHART, Chairman: Clinton B. Ford
 10 Canterbury Lane
 Wilton, CT 06897

The following mailings of AAVSO Preliminary Charts have been made from the Secretary's office during the period of October 31, 1981, through April 28, 1982:

<u>Destination</u>	<u>No. of Different Addressees</u>	<u>Chart Copies Mailed</u>
U.S.A.	25	1,245
Japan	1	810
Canada	2	132
New Zealand	2	87
England	1	75
Holland	1	53
Belgium	2	101
Australia	1	39
Norway	<u>1</u>	<u>28</u>
TOTALS	36	2,570

As usual, a detailed breakdown of these figures is available. Only one complete set of Preliminary Chart copies was shipped during this period, but two more have been ordered and are presently in preparation. A complete set now comprises 801 different charts.

Approximately 25 copies of the May 1981 AAVSO Preliminary Chart Catalog have been mailed by request to observers. The number of entirely new charts plus revisions of those already issued has

increased steadily since the issue of the May 1981 Catalog, so a new Catalog will probably have to be issued before the end of 1982, or in early 1983.

Committee members continue to be very active - Wayne Lowder with sketching of new fields, Charles Scovil with chart drafting, and Clinton Ford primarily with mailing and distribution. Rev. Ronald Royer in California continues his excellent photographic work, and Richard E. Hill at Kitt Peak Observatory has contributed to our program several photos taken with the Warner & Swasey 36-inch telescope there. Lawrence Hazel continues his work, sketching new fields. Richard Stanton has measured comparison stars for us in about 40 different fields with his PEP(V) photon counter, which he has used on several occasions with the 60-inch telescope at Mt. Wilson Observatory.

The backlog of new material to be charted or revised continues as before.

ECLIPSING BINARY, Chairman: Marvin E. Baldwin
Route 1
Butlerville, IN 47223

Chairman's report not received at AAVSO Headquarters.

NOVA SEARCH, Chairman: Carmine V. Borzelli
12 Corbin Avenue
Jersey City, NJ 07306

Chairman's report not received at AAVSO Headquarters.

PHOTOELECTRIC PHOTOMETRY, Chairman: Howard Landis
50 Price Road West
Locust Grove, GA 30248

Headquarters has distributed an issue of the AAVSO Photoelectric Photometry Newsletter to about 200 people interested in photoelectric observing. This large distribution was made to draw attention to our new program and should create a lot of interest.

I have sent a small group of data on RZ Ari and rho Per, stars in the new program, to Headquarters for a trial run through the reduction process. Other details remaining to be worked out are the production of the chart catalog and the data forms to be used by photoelectric observers.

My correspondence with new prospective observers continues at a rate of about 10 observers per year.

We make a strong appeal to all who are interested in doing photoelectric observing to join with us in the AAVSO Photoelectric Program. All work at the professional observatories is scheduled for only a week or two, and enough data must be obtained in that period to publish. Thus, observing long period stars, or stars that need long-term coverage, is precluded. The opportunity for the amateur with photoelectric equipment is clear; we have it all to ourselves. So it is up to us to make the contribution in our own name and for the AAVSO.

RR LYRAE, Chairman: Marvin E. Baldwin
Route 1
Butlerville, IN 47223

Chairman's report not received at AAVSO Headquarters.

SOLAR DIVISION, Chairman: Robert B. Ammons
411 Keith Avenue
Missoula, MT 59801

1. The Solar Bulletin has appeared monthly, supplying daily and monthly sunspot numbers as well as indirect solar flare data. The present arrangement seems to be working well, with AAVSO "definitive" or "final" sunspot numbers (R_a) available within four weeks of the end of a given month.

2. The programs for observing and reporting sunspots and radio effects of solar flares have continued vigorously. Observers are to be congratulated for the excellent quality of their work, and timeliness of their reports, which have made possible prompt monthly reports of basic data to NOAA, as per contract.

3. I particularly wish to note the excellent work of my assistant editors, without which we could not maintain our program: Peter Taylor, the backbone of the sunspot computational program; Stephanie Ammons, preparer of the integrated VLF-indirect-detection-of-solar-flares reports, and second most active observer of VLF; Douglas Ammons, who assists in sunspot observer training.

4. The NOAA contract with the AAVSO has been continued for this year at a support level comparable to last year's.

5. The Solar Bulletin mailing list has stabilized. If any eligible individuals are currently experiencing difficulties with receipt of the Bulletin, they should write to Janet Mattei, who will update the Headquarters files and forward the information to us.

6. Interest in the Solar Division seems to be stable or increasing within and outside the AAVSO. If there are additional AAVSO members who would like to participate in the Solar Division, they are encouraged to do so.

7. Preparation of a reference and training manual by David Rosebrugh is proceeding. I have built a file of questions asked by correspondents with the Division. We are in correspondence with groups in other countries, and would appreciate leads to available pamphlets and books. It is our position that we give information but not necessarily advice, and should be very careful to avoid legal liability.

8. Observer exchange arrangements with several groups are proceeding, but slowly, because of certain language or organizational problems.

We believe that the excellent co-operation from our observers and from Janet Mattei at Headquarters, and the continuing special contributions from members such as Thomas Cragg, Dennis DiCicco, Casper Hossfield, Herbert Luft, and David Rosebrugh have allowed this progress to be made. We express our gratitude to them all.

TELESCOPE LOAN, Chairman: Charles E. Scovil
 Stamford Observatory
 c/o Stamford Museum
 39 Scofieldtown Road
 Stamford, CT 06903

Chairman's report not received at AAVSO Headquarters.

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TREASURER'S REPORT: OCTOBER 1, 1981 - MARCH 31, 1982

Income Accounts

<u>Dues</u>	Annual	12472.50	
	Sustaining	4076.50	
	Membership & Application Fees	<u>756.05</u>	
			17305.05
<u>Grants, Contributions, Trust and Endowment Income</u>	Endowment Fund & Savings Acct. Income	29420.21	
	N.O.A.A. (7 mos.)	1610.00	
	N.S.F. Grant	1659.94	
	Fernald Trusts - Cyrus	1015.81	
	- Emily	1037.74	
	Transfer from Savings	27000.00	
	Unrestricted Contributions	1098.25	
	Miscellaneous Receipts	<u>35.75</u>	
			62877.70
<u>Income From Operations</u>	Subscriptions & Reports	3101.20	
	Charts & Atlases	1354.09	
	Chart Catalogue & Photoelectric Photometry Manual	101.05	
	A.A.V.S.O. Circular	767.50	
	Book Sales	95.35	
	Miscellaneous Sales	1395.29	
	Payment for Data	105.00	
	Meetings	5359.15	
	A.A.V.S.O. Atlas	<u>6298.50</u>	
			18577.13
			<u>98759.88</u>

Expenditure Accounts

<u>Staff Costs</u>	Salaries & Taxes	38828.62*	
	Health Insurance	<u>123.54</u>	
			38952.16
<u>Building & Utilities</u>	Rent	5422.96	
	Lights & Heat	749.39	
	Insurance & Alarm	<u>737.59</u>	
			6909.94