

COMMITTEE REPORTS

CLASSICAL CEPHEID, Chairman: Thomas A. Cragg
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Chairman's report not received at AAVSO Headquarters.

CHART DISTRIBUTION, AAVSO Headquarters

The following is a report of AAVSO standard charts distributed from Headquarters from October 1, 1984, to March 31, 1985.

Standard Charts (8.5 x 11-inch)	3331
Finder Charts	76
"New" AAVSO Variable Star Atlas	24

Charles Scovil is in the process of revising the AAVSO Chart Catalog of standard charts.

The 85 special reversed charts of stars easy to observe, prepared by Ed Halbach this past year, have been in high demand by our observers using Celestron telescopes and other telescopes having an odd number of reflections.

NEW CHART, Chairman: Clinton B. Ford
10 Canterbury Lane
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The following mailings of AAVSO Preliminary Charts have been made from the Secretary's office during the period of October 25, 1984, through June 10, 1985:

Destination	No. of Different Addressees	Chart Copies Mailed
U.S.A.	17	1741
Chile	1	1200
England	3	321
Canada	1	43
Australia	1	37
Greece	1	113
TOTAL	24	3355

All of these mailings have been made in response to requests from observers; a detailed breakdown of these figures is available on request.

A new Eighth Edition of the AAVSO Preliminary Chart Catalog has been completed as of June, 1985. This edition contains listings for a total of 887 variable stars and 1130 different charts for them, none of which were available in standard form previous to the inception of the Preliminary Charts program in 1966. These totals are slightly lower than those given in my October 1984 report, since a number of preliminary charts listed in the Seventh Edition Catalog (May 1984) have been adopted in the past six months for issue by AAVSO Headquarters as standard charts. The new Eighth Edition Catalog (June

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1985) for preliminary charts is now ready for distribution, and will be available on request at the Seattle Meeting of the AAVSO.

In addition to the Chairman, active Committee members have been Charles Scovill (CT), who has produced most of the new preliminary charts added to the program since October 1984, and has worked many hours with our TRS-80 computer to produce the Eighth Edition Catalog; Fr. Ronald Royer (CA), with new field photography (18-inch reflector at Mt. Peltier); John Riggs (NY) with chart drafting; Larry Hazel (NY); Thomas Cragg (Australia); and M. Schweitzer of the AFOEV in France.

The Eichner photoelectric plate photometer is unfortunately still not operational. The backlog of material to be charted continues to increase, and will present a continuing problem for many years to come.

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

In the eight months since the books were closed on the annual report at the end of August with our notation that 25 of the 98 program stars had gone unobserved for the entire year, some eleven observers have responded with a total of 516 minima. This total includes data on all but four of the stars not observed the previous year. These stars are T Cam, V346 Cyg, TT Del, and UZ Dra. Minima have already been obtained for 83 of the program stars. The remaining 15 stars awaiting our attention, including the four already mentioned, are:

V343 Aql	U CrB	V346 Cyg	UZ Dra	FL Lyr
Y Cam	Y Cyg	V477 Cyg	AI Dra	SX Oph
RW Cap	WW Cyg	TT Del	EW Lyr	U Sge

As this report is being written, obtaining at least one minimum of every program star during this twelve-month period still seems a realistic prospect.

An additional fourteen stars have been observed for only one minimum each since August. These are:

RY Aqr	UU CMa	ZZ Cyg	SS Lib	FL Ori
XZ Aql	SS Cet	CG Cyg	BO Mon	AM Tau
V342 Aql	SW Cyg	CT Her	U Oph	

Although the fact that several of these stars have only recently appeared in the evening sky accounts for their having received little attention this year, it is worth noting that most of these stars have a history of escaping our observers' attention. The outstanding success enjoyed by our program these past few months may be traced directly to a few observers who have made a highly commendable effort to pursue these stars. Philip Atwood, Steve Cook, Richard Hill, Paul Sventek, and Dave Williams have landed with a vengeance on stars that were not observed last year, and both Atwood and Williams have actively engaged a number of other program stars that often evade our observational efforts.

We should also note that nearly 180 minima are accounted for by work being pursued on non-program stars. Gerry Samolyk was among the first AAVSO observers to make a major project of observing the non-program stars, but more recently several observers have undertaken similar projects. One of Gerry's earlier projects has recently culminated in the completion of a paper on GU Ori [to appear in **JAVSO**], which establishes an accurate period based on eight years of observational data. Literature on this star available to your committee chairman indicates that the period of this star is previously unknown.

NOVA SEARCH, Chairman: Kenneth C. Beckmann
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Chairman's report not received at Headquarters.

PHOTOELECTRIC PHOTOMETRY, Chairman: Howard J. Landis
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New observers and prospective observers continue to write to us for information. It is a pleasure to help them become productive observers in the AAVSO Photoelectric Photometry observing program.

Since the Annual Meeting in October, Headquarters has received 327 photoelectric photometric observations on 26 stars from nine observers. The contributors were Bohme, Fortier, Gonzalez, Kneipp, Koster, Landis, Mellilo, Reisenweber, and Pazzi.

Requests for photoelectric photometry data came from Dr. J. E. Arlot of the Bureau of Longitudes, Paris, France. He requested observations of the Galilean Satellites of Jupiter. Dr. Sidney Parsons invited observers to contribute data on the eclipse of the new variable 22 Vulpeculae in May of 1985.

There are some data coming in, but from my knowledge of the number of photometers that exist out there, there should be much more! So I urge you inactive owners of photometers to come on and get started observing. I think you will receive a lot of satisfaction as a result of your effort. If you need help with any of the many aspects of photoelectric photometry equipment or on observing problems, please do write to me and present your problems. I will do my best to help.

RR LYRAE, Chairman: Marvin E. Baldwin
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In our annual committee report submitted at the Salem Meeting we noted that maxima were observed for only a little more than half of the 41 stars included in the AAVSO Ephemeris for RR Lyrae Stars. We are happy to report that observing activity has increased dramatically since that information was submitted. With four observers already reporting 127 maxima observed during the period September, 1984, through April, 1985, nearly all of the stars in the Ephemeris have been observed.

Most of the chart problems that had been hampering the observation of several RR Lyrae stars have been resolved. At this writing we feel that all the stars in the AAVSO Ephemeris have charts and sequences satisfactory for serious observational work with the exception of DL Her, which has not been positively identified, VZ Cnc, which has no comparison star sequence, and RV UMa, which may have a comparison star sequence problem and is still under examination.

The intense effort being made to observe all RR Lyrae stars on our list this year has resulted in the discovery that some of our information sources had not been updated to reflect changes in periods. At least four stars have accumulated large deviations from the elements used for the 1985 Ephemeris. The following adjustments are in order:

SW Boo - Subtract 6 hours	XZ Cyg - add 2 hours
UY Boo - add 3 hours	AR Her - subtract 2.5 hours

We wish to express our appreciation to Alan MacRobert and the staff of **Sky & Telescope** magazine for their interest in our program and the support they provided via an item in the "Celestial Calendar" section of the June issue. This item, highlighting three of our stars, brings our program to a much broader cross-section of the public than we could possibly do on our own.

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Chairman's report not received at AAVSO Headquarters.

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