

CLASSICAL CEPHEIDS, Chairman: Thomas A. Cragg
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A paper has been prepared discussing in detail the results of the data analysis for observations made from JD 2,441,000 to 2,442,000. Nearly twice as many observations were received during the second 1000 day interval as during the first, almost certainly due to the communication efforts of Pat Mahnkey. As a result, reasonably good light curves were available for more stars.

Current activity includes making field charts for a significant number of new stars. Some of these are the following:

<u>Design.</u>	<u>Name</u>	<u>Period</u>	<u>Range</u>	<u>Type</u>
013057	RW Cas	14 ^d .7943	8.62 - 9.76V	Cδ
042248	BM Per	22.9519	11.4 - 13.3 p	Cδ
044242	SV Per	11.12875	8.58 - 9.36V	Cδ
045240	AN Aur	10.2906	10.16 - 10.83v	Cδ
050542	SY Aur	10.1443	8.75 - 9.37V	Cδ
072125	SS CMa	12.3620	9.37 - 10.36V	Cδ
073428	VZ Pup	23.1640	8.92 - 10.32V	Cδ
075428	AQ Pup	29.8568	8.12 - 9.39V	Cδ
074325	AD Pup	13.5940	9.31 - 10.36V	Cδ
234550	CS Cas	14.73765	11.48 - 12.88V	CW
234758	RY Cas	12.13726	9.40 - 10.36V	Cδ

Pat Mahnkey's preliminary study of ST Pup shows a period within the range given in the Second Supplement of the GCVS. Two other stars, RX Lib and AV Sgr, are to be studied soon, and more observations are requested.

Work on the current report indicates two allied fields of study which should prove interesting, observer k-factors and the color relation between PEP(V) and Visual (v). Evidence is mounting to indicate that PEP(V) and visual (v) are not as compatible as one might like to think!

Preface to Treasurer's Report

It is redundant to say that inflation has hit us -- but it has. The cost of our IBM equipment has risen substantially, as have punch cards. Paper for mimeo has gone up dramatically. We have had to get a new postage meter, which has increased costs; and soon postage will be up again.

With the loss of blueprints for charts, Mrs. Mattei has had to find other means of producing them. Ordinary Xerox would not make satisfactory copies. She has found a method to make good clear charts without wasting labor on our part. This increased cost has had to be passed on to the members. After our first set evoked complaints that the paper was too thin she had to go to a heavier paper stock, thereby further increasing the cost. We regret the increased cost to members, but it is necessary.

As of 31 March, 1975, an unusually large number of members (about 300) have not paid their dues. Our funds from this source are down.

We have had to make extraordinary outlays for the new charts and for atlases during this period. General printing costs have risen dramatically. For example, five years ago we obtained 2000 copies of the Manual, whereas today the same

price gives us only 1000 copies.

By watching our expenses we hope to end the year without too much of a deficit.

R. Newton Mayall, Treasurer

TREASURER'S REPORT - Oct. 1, 1974 to Mar. 31, 1975

GENERAL FUND

Receipts:

Dues:	Annual (Junior)	\$ 146	
	Annual (Regular)	1769	
	Sustaining	873	
	Arrears	170	
	Advance	15	
	New Members	411	
			\$ 3384
Application fees:	Junior	19	
	Annual	32	
			51
Subscriptions			828
Contributions			1079
Chart & Atlas Sales			1109
Chart Cat., Manual & PEP Sales			122
Sales of Books & Insignia			1124
Membership List			18
Reports, Pred. & Bulletins			299
Ford Grant			6000
NOAA Grant			1004
Russian Catalog			998
Circular			563
Transfer from Endowment Fund Income			19557
			Total \$36136

Expenditures:

Salaries & Payroll Taxes	\$ 15031
Rent	5214
Light, heat & telephone	873
Mailings, mimeo, printing, copying	1606
Insurance & Alarm System	452
General Office	1332
Chart & Atlas	1910
Ford Grant	5583
AAVSO Journal	539
Eclipsing Binary & RR Lyrae	85
AAVSO Circular	121
Solar Division	374
Russian Catalog	233
Special Taxes	123
Books ordered	457
Data Processing	2203
	Total \$36136