

WOLFGANG QUESTER  
Wilhelmstraße 96-B 13  
D-7300 Esslingen-Zell

den 14. 6. 1983

Herrn

Dr. Belá Szeidl

Konkoly Observatorium

1525 Budapest

Box 67

UNGARN

Sehr geehrter Herr Dr. Szeidl !

Ihr Brief vom 19. Mai war eine Überraschung für mich. Ich hatte zwar schon eine Suche nach Literaturstellen über AD CMi begonnen, hatte aber noch keinen Erfolg gehabt. Herrn Agerer habe ich eine Kopie Ihres Briefes geschickt und wir haben beschlossen, Ihnen seine Messungen zu senden. Vielleicht können Sie eine Fourier-Transformation durchführen. Wir haben z. Zt. nicht die Möglichkeit und es fehlt wahrscheinlich auch die Erfahrung zur korrekten Interpretation der Ergebnisse.

Bitte informieren Sie uns über Ihre Rechnungen. Wir können kaum die neue Beobachtungssaison erwarten.

Mit freundlichen Grüßen

Anlagen

12r  
Wolfgang Quester



Wolfgang Quester  
Wilhelmstr. 96 - B 13  
D-7300 Esslingen-Zell  
Telefon (0711) 366 766

Zell, den 6. 4. 1989

Herrn

Prof. Dr. Bela Szeidl

Konkoly Observatory  
Budapest XII, Box 67

UNGARN 1525

Sehr geehrter Herr Prof. Szeidl,

Sie haben die BAV schon öfter ermutigt, lichtelektrisch zu beobachten. Wir haben Ihre Ratschläge auch beherzigt und die IBVS Nr. 3213 und 3234 legen Zeugnis von unseren Aktivitäten ab.

Ich selbst habe dieses Frühjahr 6 Maxima von VZ Cancri beobachten können. Der Stern ist hell und lt. ROCZNIK 60 (1989) seit 1983 nicht beobachtet worden. Damit Sie sich ein Bild machen können habe ich meine Lichtkurven diesem Brief beigelegt. Der mittlere Fehler der Einzelmessung liegt bei 0.02...0.03 mag, die Maximumzeiten sind auf  $\pm 1/2$  Minute genau.

Um meine Ergebnisse mit anderen zu vergleichen habe ich die Elemente von TODORAN (IBVS 1141) gewählt. Mit Kreuzen habe ich meine (O - C) in sein Diagramm der (O - C) vs Phase des Blazhko-Effekts eingetragen. Eine Phasenverschiebung gegenüber den früheren Beobachtungen ist angedeutet. Ich würde aber gern Ihre Meinung dazu hören. Mich interessiert vor allem, ob es sich lohnt, die Messungen fortzusetzen oder ob VZ Cnc so stark überwacht wird, daß es besser ist, sich auf andere Sterne zu konzentrieren? Ferner möchte ich Sie bitten, mir einen Sonderdruck der Arbeit von GUMAN über VZ Cnc zu schicken (Mitt. d. Sternwarte Budapest No. 36 (1955)). Ich habe diese Arbeit in Stuttgart nicht bekommen können.

Die BAV ist gerade dabei, ihr Programm für RR-Lyrae-Sterne zu überarbeiten. Können Sie uns Kriterien für die Auswahl der Sterne nennen? Was können Amateure zu den RR-Lyr-Sternen beitragen? Im Buch über das IAU-Colloquium 98 ("Stargazers", Springer-Verlag 1988) finden sich zwar viele Hinweise auf Bedeckungsveränderliche, und Aufrufe zur Überwachung solcher Sterne sind zahlreich. Über RR-Lyr-Sterne wird aber nichts ausgesagt. Woran liegt das?

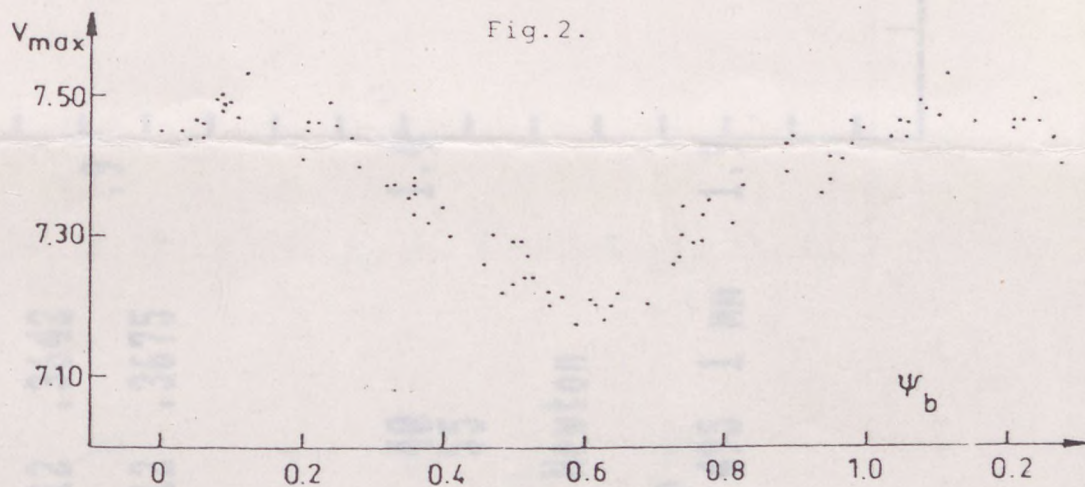
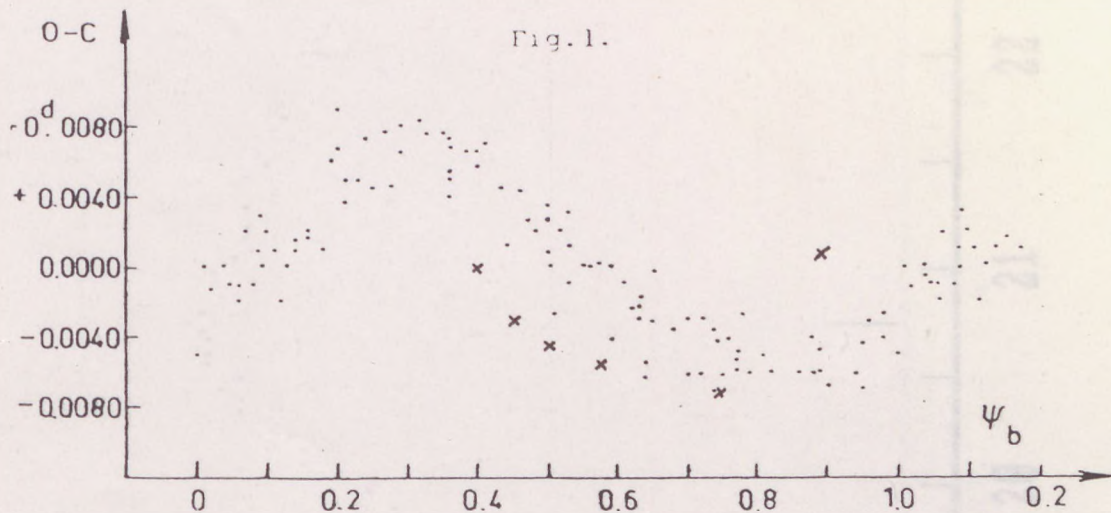
Ich würde mich sehr freuen, wenn Sie Zeit fänden, meine Fragen zu beantworten.

Mit freundlichen Grüßen

Ihr Wolfgang Quester



|          |      |       |   |       |       |        |
|----------|------|-------|---|-------|-------|--------|
| 474.4160 | 7.44 | 49576 | - | .0068 | 12344 | .9034  |
| 476.3790 | 7.20 | 49587 | - | .0058 | 12347 | .6439  |
| 485.4855 | 7.38 | 49638 | + | .0041 | 12360 | .3573  |
| 487.4465 | 7.50 | 49649 | + | .0031 | 12363 | .0949  |
| 508.3195 | 7.49 | 49766 | + | .0076 | 12392 | .2352  |
| 531.3285 | 7.33 | 49895 | + | .0077 | 12424 | .3577  |
| 756.4113 | 7.17 | 51157 | - | .0045 | 12738 | .5910  |
| 771.3955 | 7.24 | 51241 | - | .0028 | 12759 | .5101  |
| 785.4980 | 7.41 | 51320 | + | .0090 | 12779 | .1982  |
| 837.3865 | -    | 51611 | - | .0064 | 12851 | .6387  |
| 867.3600 | 7.22 | 51779 | + | .0020 | 12893 | .4840  |
| 871.2775 | 7.38 | 51801 | - | .0045 | 12898 | .9532  |
| 873.4160 | 7.36 | 51813 | - | .0063 | 12901 | 0.9387 |





VZ Cnc 26 / 27 . 3 . 1989

Max: 20 h 44.5 m UT  $\Delta M$

JD geoz = 2447612 .3642

JD hel = 2447612 .3675

Verglsterne: 37 Cnc  
Kontrollst: 36 Cnc

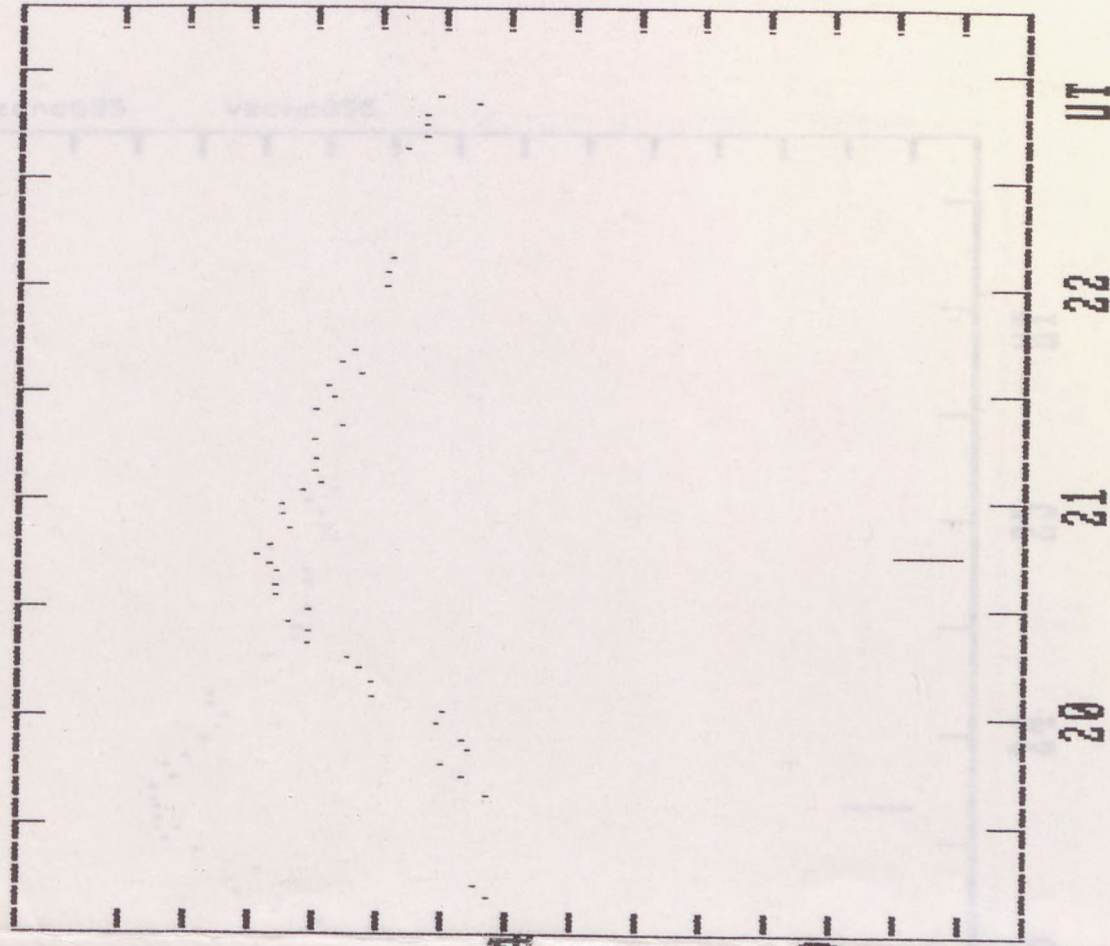
Zenitdistanz: Anfang 40  
Ende 55

Instrument: 200 mm Newton

Fotometer : Mueller  
Filter : U = GG 495 1 mm 1.9

n = 48

W. QUESTER



B-R<sub>TODORAN</sub> = +0.0008  $y_b = 0.08$



VZ Cnc 5 / 6 . 3 . 1989

Max: 23 h 40 m UT

JD geoz = 2447591 .4861

JD hel = 2447591 .4908

Vergl stern: 37 Cnc  
Kontrollst: 36 Cnc

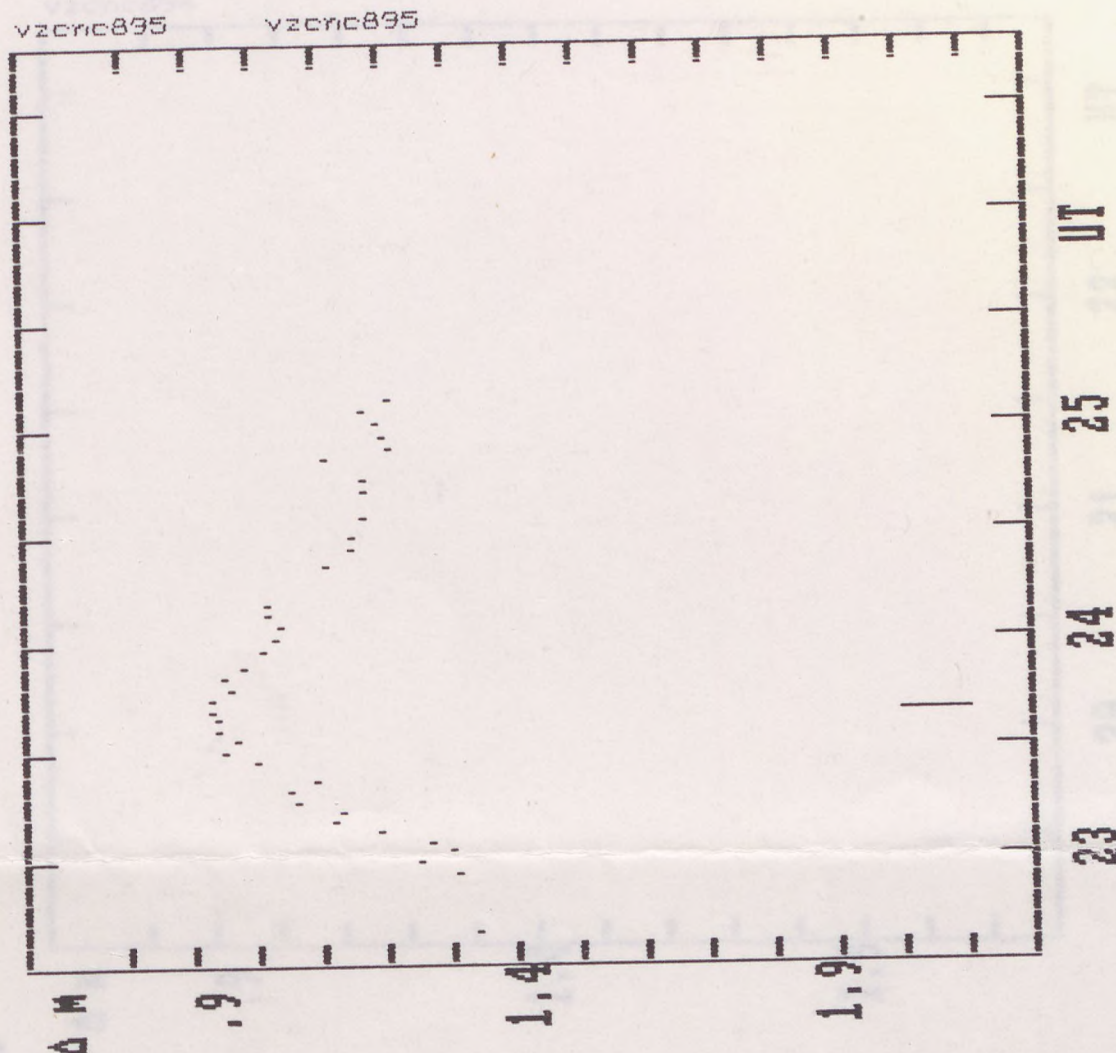
Zenitdistanz: Anfang 43  
Ende ~~43~~ 65

Instrument: 200 mm Newton

Fotometer: Mueller  
Filter: V = GG 495 1mm

n = 38

W. QUESTER



$B-R_{TODORAN} = -0.0073$ ,  $\psi_6 = 0.74$



UZ Cnc 5 / 6 . 3 . 1989

Max: 19 h 27.5 m UT  $\Delta M$

JD geoz = 2447591 .3108

JD hel = 2447591 .3155

Verglsterne: 37 Cnc

Kontrollst: 36 Cnc

Zenitdistanz: Anfang 46  
Ende 39

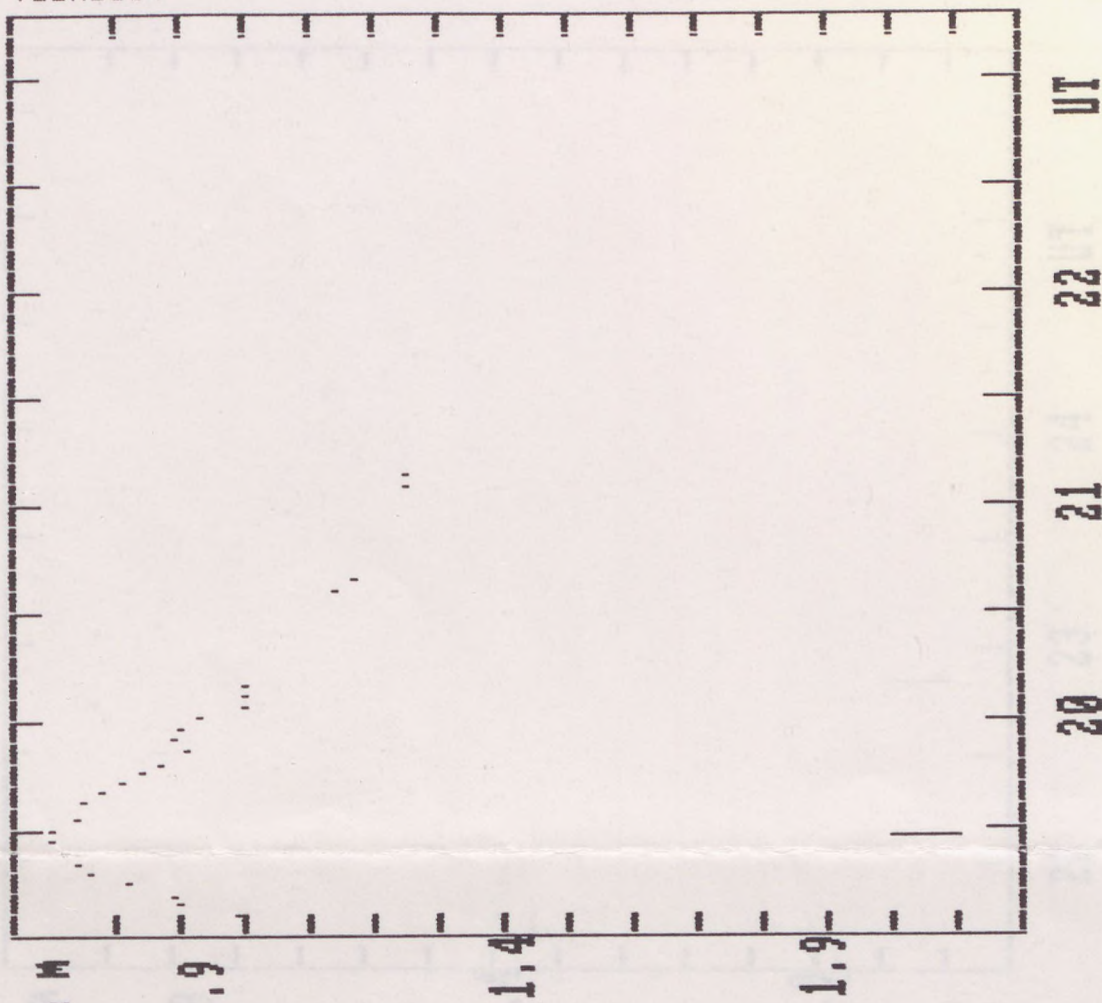
Instrument: 200 mm Newton

Fotometer : Mueller  
Filter : U = GG 495 1mm

n = 26

W. QUESTER

VZCNC894



$B-R_{\text{TORAN}} = -0.0043$ ,  $y_6 = 0.50$



VZ Cnc 7 / 8 . 2 . 1989

Max: 22 h 50 m UT

$\Delta M$

JD geoz = 2447565 .4514

JD hel = 2447565 .4569

Verglsterne: 37 Cnc  
Kontrollst: 36 Cnc

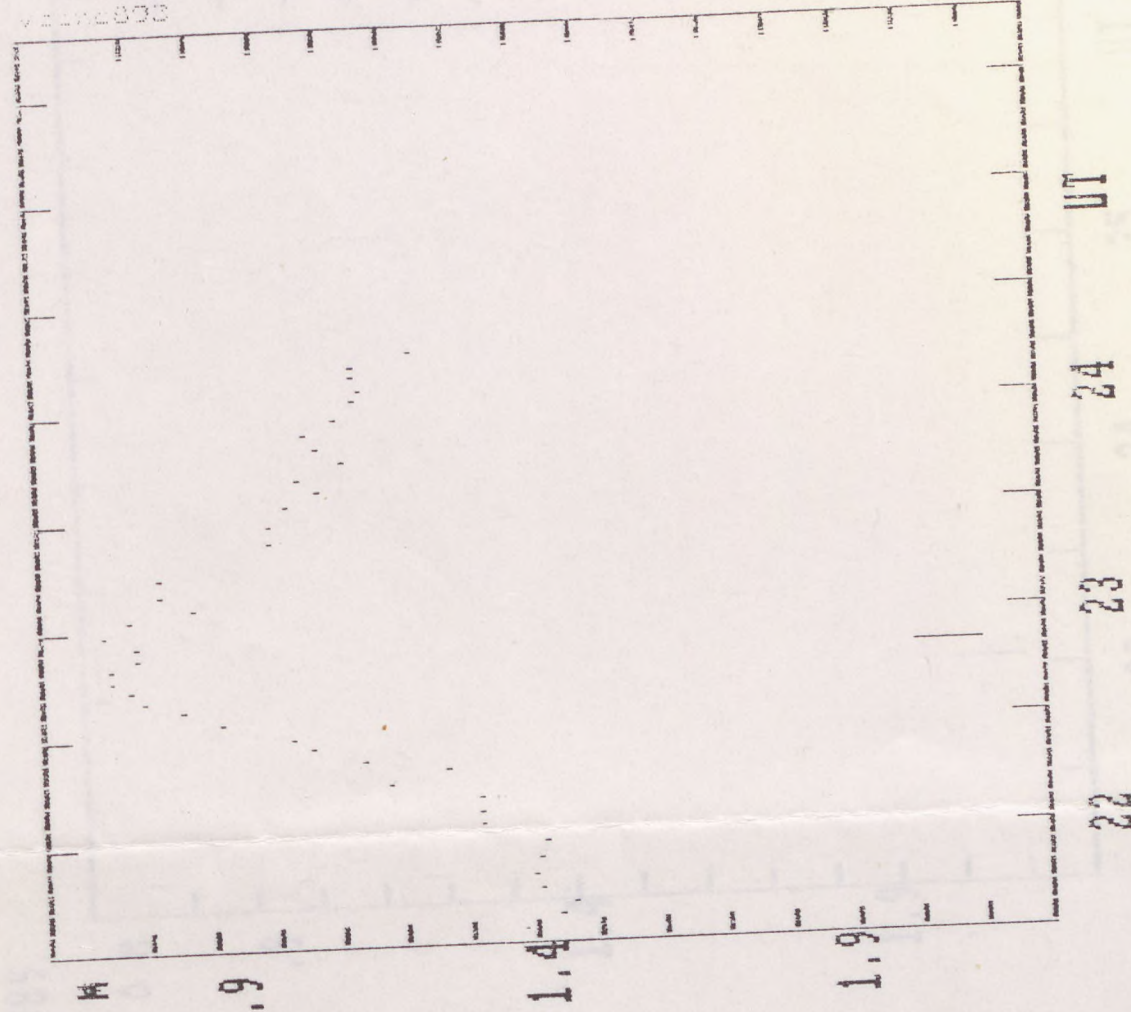
Zenitdistanz: Anfang 40  
Ende 43

Instrument: 200 mm Newton

Fotometer: Mueller 931B  
Filter: U

n = 42

H. QUESTER



$B-R_{\text{TOPOGRAPHY}} = -0.0001, \gamma_0 = 0.40$



UZ Cnc 28 / 29 . 1 . 1989

Max: 23 h 2.5 m UT  $\Delta M$

JD geoz = 2447555 .4601

JD hel = 2447555 .4657

Vergl stern: 37 Cnc  
Kontrollst: 36 Cnc

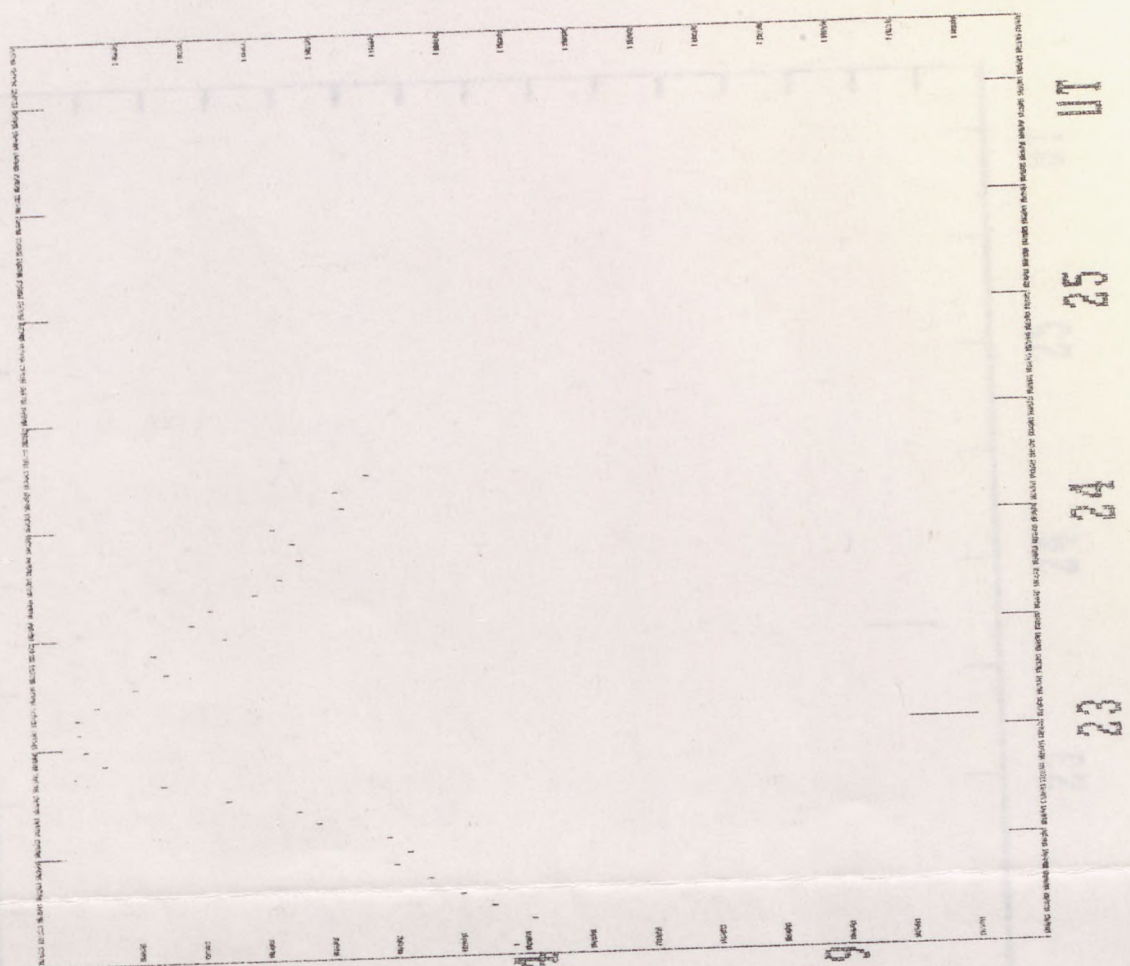
Zenitdistanz: Anfang 43  
Ende 40

Instrument: 200 mm Newton

Fotometer: Mueller 931B  
Filter: U

n = 33

W. QUESTER



B-R<sub>TODORAN</sub> = -0.0030,  $\gamma_6 = 0.45$



VZ Cnc 3 / 4 . 1 . 1989

Max: 23 h 42 m UT

JD geoz = 2447530 .4875

JD hel = 2447530 .4925

Vergl stern: 37 Cnc  
Kontrollst: 36 Cnc

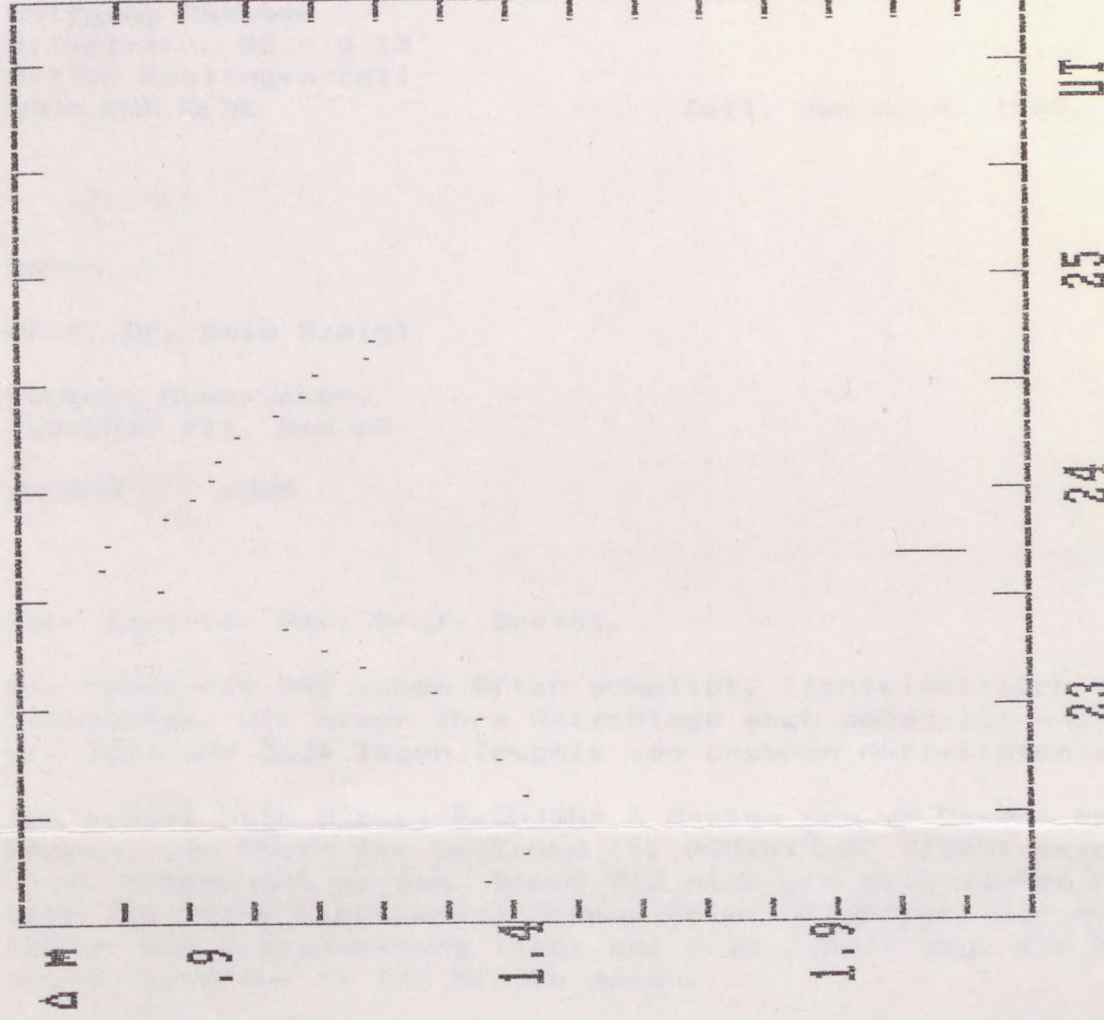
Zenitdistanz: Anfang 53  
Ende 39

Instrument: 200 mm Newton

Fotometer: Mueller 931B  
Filter: U

n = 22

W. QUESTER



$B-R_{\text{TOPO}} = -0.0053$  ;  $u_b = 0.54$



WOLFGANG QUESTER

D-7300 Esslingen-Zell

Wilhelmstraße 96-B 13

Telefon 07 11 / 36 67 66

den 15. 2. 1984

Herrn

Dr. Belá Szeidl

Konkoly Observatorium

1525 Budapest

Box 67

Ungarn

Betr.: AD CMi

Sehr geehrter Herr Dr. Szeidl!

Unser Manuskript für die IBVS hat sich nun schon lange verzögert. Wir haben es aber immer noch nicht fertig, und ich möchte Ihnen wenigstens einen Zwischenbescheid geben.

Unsere kurze Periode von  $0^d,1095$  hängt an den Maxima No. 1 und 4. Leider war es wegen des schlechten Wetters bisher nicht möglich, den Stern über längere Zeit zu messen. Wir möchten deshalb noch das Ende dieser Beobachtungssaison abwarten ehe wir ein neues Manuskript einreichen.

Daß AD CMi eine noch unzureichend bestimmte Periode hat zeigt ein Maximum im integralen Licht von JD 24 45679, 550 (Heliozentrisch, Beobachter B. Schlereth) dessen B-R je nach benutzten Elementen bei  $+0^d,025$  oder  $-0^d,037$  liegen. Das mindeste was man daraus schließen kann ist, daß die bisherigen Elemente zwar genau genug für Vorhersagen über einige Wochen sein mögen, daß sie jedoch nicht ausreichen, um Vorhersagen über ein Jahr zu ermöglichen.

In Ihrem Brief vom 2. 12. 1983 haben Sie der Periodenanalyse der Beobachtungen von Herrn Agerer nur wenige Zeilen gewidmet. Wir würden uns sehr freuen, wenn sie das Ergebnis ausführlicher darstellen würden und auch das Rechenverfahren selbst beschreiben könnten. Eine ganz besondere Freude würden Sie der BAV machen, wenn Sie diese Beschreibung so abfassen würden, daß sie als Artikel im BAV-Rundbrief erscheinen könnte. Ich hoffe auf Ihre Mitarbeit und bedanke mich im voraus dafür.

Mit freundlichen Grüßen

Kopie: Herr Agerer

*Wolfgang Quester*



2. 12. 1983.

Herrn Wolfgang Quester  
Wilhelmstrasse 96-B 13  
D-7300 Esslingen-Zell

Lieber Herr Quester!

Ich bitte um Entschuldigung, dass ich Ihren Brief so lange unbeantwortet liess. Kürzlich bin ich aus Ausland zurückgekehrt und ich hatte ziemlich viel zu tun.

Früher habe ich einen meiner Kollegen /Dr.G.Kovács/ gebeten, die Perioden-Analyse des Sterns AD CMi durchzuführen. Er hat alle Beobachtungen von Herrn Agerer benutzt. Die "steps" waren 0.002 c/d bei der Analyse, und das abgedeckte Frequenzbereich war zwischen 5.000 c/d / $P=0.200$  d/ und 10.3 c/d / $P=0.097$  d/. Der höchste Punkt des Periodograms ist eindeutig bei  $f_0=8.131$  c/d d.h.  $P=0.1230$  d, die die in der Literatur gegebene Periode ist. Lokale Maxima sind noch natürlich bei  $f=f_0+k$  / $k=\pm 1, \dots$ /, z.B. auch bei  $f=9.133$  c/d,  $P=0.1095$  d.

Ich würde die Folgenden vorschlagen: Sie sollten die beobachteten Zeitpunkte der Maxima von AD CMi in den IBVS veröffentlichen, mit der Bemerkung, dass die Periode kürzer /0.109483 d/ sein kann, als die man früher angenommen hat, und mit der Empfehlung der intensiven Beobachtung während der kommenden Beobachtungssaison.

Ich schlage auch vor, die lichtelektrischen Beobachtungen zum Archiv der I.A.U. Comm. 27 zu schicken.

In der Hoffnung bald von Ihnen zu hören,

mit freundlichen Grüßen,

Ihr

Ich wünsche Ihnen und Ihren Kollegen fröhliche Weihnachten und alles Gute für 1984!



WOLFGANG QUESTER

D-7300 Esslingen-Zell  
Wilhelmstraße 96-B 13  
Telefon 07 11 / 36 67 66

den 5. 10. 1983

Herrn Dr. Belá Szeidl  
Konkoly Observatorium  
1525 Budapest  
Box 67  
UNGARN

Sehr geehrter Herr Dr. Szeidl!

Herr Agerer hat mir seine Messungen von AD CMi, die ich Ihnen am 14. Juni geschickt habe noch einmal bestätigt. Wir sind sehr interessiert zu erfahren, ob Sie schon eine Fourier Analyse dieser Messungen gemacht haben und was dabei herausgekommen ist.

Welche Möglichkeiten sehen Sie, die Mitteilung über die verkürzte Periode von AD CMi in einer anderen Form in den IBVS zu veröffentlichen? Man könnte z. B. die Messungen eines durchbeobachteten Zyklus auflisten und die Bitte zur Prüfung älterer Beobachtungen und zur intensiven Beobachtung während des kommenden Winters anschließen.

In der Hoffnung, bald von Ihnen zu hören verbleibe ich

mit freundlichen Grüßen

1/24  
Wolfgang Quester



WOLFGANG QUESTER

D-7300 Esslingen-Zell

Wilhelmstraße 96-B 13

Telefon 07 11 / 36 67 66

den 25. 4. 1983

Herrn

Dr. Belá Szeidl

Editor IBVS

Konkoly Observatorium

1525 Budapest

Box 67

UNGARN

Sehr geehrter Herr Dr. Szeidl !

Vor etwa einem Jahr haben Sie der BAV dringlich empfohlen, ihre lichtelektrischen Beobachtungen zu verstärken. Heute kann ich Ihnen mitteilen, daß wir Ihre Anregung aufgegriffen haben. Die letzten Veröffentlichungen der BAV zeigen einen wachsenden Anteil lichtelektrischer Beobachtungen von 2 Beobachtern, den Herren Agerer und Dr. Fernandes. Weitere Fotometer sind im Bau und ich hoffe, daß wir Ende dieses Jahres mindestens 5 aktive Beobachter haben werden. Verbindungen zur IAPPP bestehen auch.

Das Schwergewicht der BAV-Beobachtungen liegt traditionell bei den Bedeckungsveränderlichen, aber es gibt auch ein Programm für vernachlässigte RR Lyr-Sterne. Das erste Ergebnis für dies Programm ist die Periodenkorrektur für AD CMi , die diesem Brief beiliegt. Ich bitte Sie um Veröffentlichung dieser Notiz in den IBVS.

Mit den besten Grüßen

*W*  
*Wolfgang Quenter*

Anlage



19.05. 1983.

Herrn Wolfgang Quester  
Wilhelmstrasse 96-B 13  
D - 7300 Esslingen - Zell  
B.R.D.

Lieber Herr Quester!

Ich freue mich sehr, dass die BAV-Beobachter mit den lichtelektrischen Beobachtungen angefangen haben. Natürlich werden wir die lichtelektrischen Ergebnisse sehr gerne in den IBVS veröffentlichen. Die Ergebnisse über AD ~~MMi~~ sind aber sehr überraschend, und darum wende ich mich an Sie mit diesem Brief.

Ich habe die alten lichtelektrischen Messungen von Abhyankar (Astrophys. J. 130. 834, 1959), Epstein and Epstein (Astron. J. 78, 83, 1973), Anderson and McNamara (Publ. Astr. Soc. Pac. 72. 506, 1960) und meine eigene aus den Jahren 1972, 1975 und 1978 wieder in die Hand genommen. Ich habe den Eindruck, dass die Periode damals fast sicher  $0.^d.1229$  war. Es wäre wirklich interessant, dass dieser Stern zur Zeit mit einer neuer Periode pulsiert. Und wie ich aus Ihrer Abbildung ablesen kann, zeigt der Stern auch ziemlich starke Lichtkurvenänderungen, die man früher überhaupt nicht bemerkt hat. Wäre es nicht wünschenswert diese Fragen vor dem Erscheinen der Publikation eingehender zu untersuchen, und vielleicht die Periode einer Fourier-Analyse zu unterwerfen (das Fourier-Spektrum zu bestimmen)?

Ich sehe Ihrer baldigen Antwort entgegen,

Mit den besten Grüßen

Ihr



TOKYO ASTRONOMICAL OBSERVATORY

MITAKA TOKYO 181 JAPAN

Dr.Bela Szeidl  
Konkoly Observatory  
Box 67  
1525 Budapest  
Hungary

September 9, 1986

Dear Dr.Szeidl,

May I ask you to let me have a list of the members of IAU Commission 27 (Variable Stars), including the new members accepted in New Delhi ? This is very necessary to make a mailing list of distribution of reprints of Variable Stars published at our Observatory.

Thanking you in advance,

I remain,

Yours sincerely,

*M. Kitamura*

M.Kitamura,  
Professor

MK/ck





*The* UNIVERSITY of WESTERN ONTARIO

*Astronomy Department*

March 20, 1990

Dr. Bela Szeidl  
Konkoly Observatory  
Box 67  
H-1525 Budapest  
Hungary

Dear Dr. Szeidl,

Enclosed is a paper we are submitting for the Information  
Bulletin on Variable Stars.

Please give my regards to all our friends at the Konkoly  
Observatory. My husband and I will be at the Vienna  
Observatory from May to August. During that time we hope to  
visit your observatory for a few days, perhaps in June.

Sincerely yours,

*Amelia Wehlau*

Amelia Wehlau

Associate Professor



KONKOLY OBSERVATORY  
OF THE HUNGARIAN ACADEMY OF SCIENCES  
1525 BUDAPEST XII. BOX 67.  
HUNGARY

February 4, 1988

Dr. H. Rovithis-Livaniou  
Dr. P. Rovithis  
Dr. P. Niarchos

Department of Astronomy  
University of Athens  
Panepistimiopolis  
Zografos, Athens  
GR-15783 Greece

Dear Colleagues,

In reply to your letter dated January 19, I try to summarize the role of the Information Bulletin on Variable Stars (IBVS). The IBVS has been edited and published in our observatory on behalf of the International Astronomical Union since 1961, as the official publication of the Commission 27 (Variable Stars) of the IAU. The original intention was to provide astronomers with rapid communication of important announcements and information about observational work. Lately, most of the manuscripts submitted for publication to the IBVS, however, contain original observations and their analysis. This fact can be explained by decreasing possibilities to publish short papers in other professional astronomy journals. The submitted manuscripts are refereed by the editors themselves, external referees are only involved in very critical cases. About one quarter of the manuscripts are either refused or accepted only the authors have made the requested corrections and revisions. We try to do our best to maintain the scientific level of the IBVS. Because the IBVS frequently appears in the reference list of the articles in the leading astronomy journals, and it is regularly indexed in the Physics Abstract and the Astronomy and Astrophysics Abstract, we consider that our publication is useful for the astronomers' community. Since most of the articles published in the IBVS are related to observations of variable stars, it is obvious that the observers refer to the IBVS more commonly than theoreticians.

I hope that you can find the answers to your questions in the above short description. Please let me know if you need some more information.

Yours sincerely,

Béla Szeidl  
editor



DEPARTMENT OF ASTRONOMY  
UNIVERSITY OF ATHENS  
PANEPISTIMIOPOLIS  
ZOGRAFOS ATHENS (621) GR 157 83  
GREECE

Athens 19/1/1988

Prof. B. Szeidl  
Konkoly Observatory  
P.O. Box 67  
Budapest XII  
Hungary

Dear Prof. Szeidl,

Our best wishes for the new year 1988.

We would appreciate it very much, if you could send us a letter concerning the Bulletin of Com. 2<sup>d</sup> of the IAU. More specifically we would like to have answers of questions such that = 1) What purposes does it service? 2) How valuable is it to the theoreticians? 3) Are the contributions published in the IBVS original? and anything else you think it services.

Thanking you in advance and hoping of hearing from you soon, we remain

Yours sincerely

Dr. H. Rovithis-Livanidou  
Dr. P. Rovithis  
Dr. P. Niarchos



Astrophysics Branch

Direction d'Astrophysique



PLEASE QUOTE FILE No. ....

No DE DOSSIER À RAPPELER

NATIONAL RESEARCH COUNCIL OF CANADA  
CONSEIL NATIONAL DE RECHERCHES DU CANADA

*Dominion Astrophysical Observatory,  
Observatoire Fédéral d'Astrophysique,  
R.R. 7, Victoria, B.C.*

June 20, 1973.

Dr. B. Szeidl,  
Konkoly Observatory,  
Szabadsaghegy,  
Budapest XII,  
Hungary.

Dear Bela:

I should have sent you some time ago copies of our paper on H.D. 11860. I am arranging to have 20 copies sent on to you. If you need any more, please let me know.

With all good wishes,

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'Alan H. Batten', with a long horizontal flourish extending to the left.

Alan H. Batten

AHB:sa



KONKOLY OBSERVATORY  
BUDAPEST XII,  
P. O. 114, Box 67  
HUNGARY

Dr. A.H. Batten  
Dominion Astrophysical Observatory  
R.R.7, Victoria, B.C.  
Canada

July 2, 1973

Dear Alan:

It is me who should have asked some copies of our paper on H.D. 11860. I didn't, however, want to disturb you knowing that you are very occupied.

Thank you very much for sending me 20 copies, I think they are sufficient.

Please give my best regards to your wife.

With all good wishes,

Yours sincerely,

Béla Szeidl



May 24, 1985

Mr. K. Locher  
Rebrain 39  
CH- 8624 Grut  
Switzerland

Dear Mr. Locher,

Thank you for your letter dated on 1985 April 30. I admit that you dealt with a real and serious problem. Nevertheless, I have to point out some facts which should not be left out of consideration.

First of all, no Editorial Bureau of IBVS exists. Dr. L. Szabados, a colleague of mine and I myself do all the editorial work, correspondence, reading and correcting the manuscripts, sometimes translating them into English, proof-reading the retyped manuscripts (by the secretary of the observatory, who has, of course, many other things to do), etc. Besides, we would like to carry out some scientific work and I have other tasks, too, as the director of the Konkoly Observatory.

Secondly, the Konkoly Observatory bears all the costs of publishing and mailing the IBVS, about 200 issues per year. (There are almost 600 addresses on the mailing list.) I have to emphasize that our small observatory does not get any support from any organization for maintaining the IBVS.

You may understand that we are at the utmost limit of our capacity. If there is any further demand against the IBVS, please, offer a proposal how can we overcome the difficulties mentioned.

Thirdly, the amateur visual observations are of very heterogeneous quality. We are not prepared for the hard job to control the results of visual observers. As far as the scientific level of IBVS is concerned, the responsibility falls on us, the editors. As a matter of fact, we are unable to deal with the visual observations of several thousands of amateurs. The only way out of this dilemma I can imagine is that the visual observers should form one centre which issues a bulletin of high standard. Surely, it would be accepted and taken seriously by the professionals (see e.g. the publications of AAVSO). Or, the observers who are not satisfied with the IBVS should send their results to other astronomical journals with referees (e.g. Astrophys. J., Astron. J., Publ. Astr. Soc. Pacific, Astron. Astrophys., Astrophys. Space Sci., etc.).

We are very sorry and feel sore about that you blame us. We tried to do the editorial work for the best, tried to keep the standard and tried to please and serve the astronomers working on variable stars.

With best wishes,

Yours sincerely,

Béla Szeidl



COMMISSION 27 OF THE I. A. U.  
INFORMATION BULLETIN ON VARIABLE STARS

Number 2699

Konkoly Observatory  
Budapest  
28 March 1985

HU ISSN 0374 - 0676

NSV 6044: A W UMa STAR

During April 1984 a number of suspected variables were observed with the Danish 50cm telescope on Cerro La Silla, Chile. Among these was NSV 6044, the variability of which was originally discovered by Hoffmeister (1949) who designated it S4963 Cen and classified it as an Algol type variable of magnitude 9-10. The spectral type given by Houk (1982) is G5V.

NSV 6044 was observed seven nights during a period of generally poor photometric quality. Nevertheless, the data can be used to obtain an ephemeris and, as the figure shows, they provide ample information on the general shape of the lightcurve, though it must be emphasized that the data are neither sufficiently numerous nor of adequate quality to justify a proper lightcurve analysis.

Information on the two comparison stars used, including their uvby indices on the standard system, is listed in Table I. There is no indication of variability of the comparison stars. For the variable, average values of the indices are given in Table I and individual magnitude differences in Table II. u magnitudes have been omitted because their typical mean errors are larger than 0.01 mag and twice as large as those for y, b, and v.

One time of minimum light could be determined by the method of Kwee and van Woerden (1956). The period was found by using the period analysis program of Jørgensen and Gyldenkerne (1975). The resulting ephemeris is:

$$\text{Min I: } \text{HJD } 2445805.7721 \pm 1 + 0.33092 \text{ E} \pm 1$$

The indices of NSV 6044 show only small variation with phase, and the mean values in the instrumental system are well



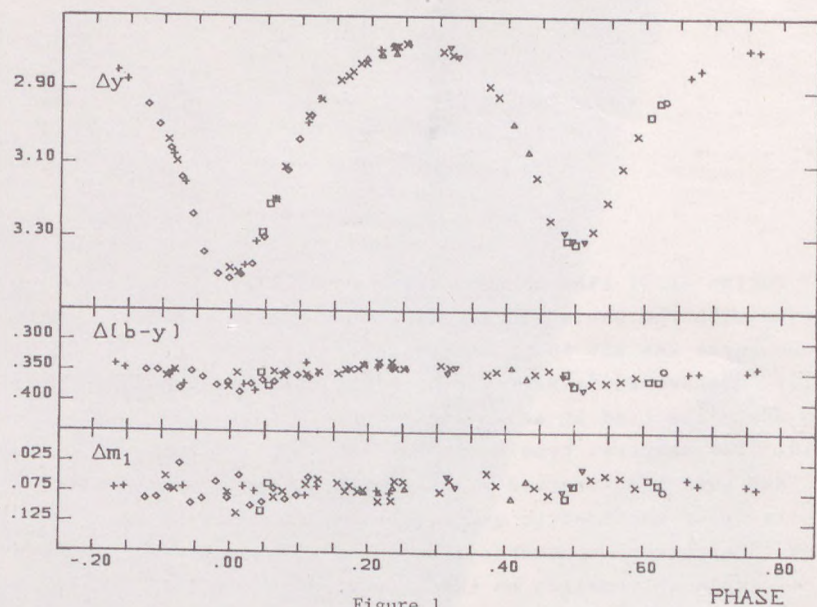


Figure 1

determined. Thus, the dominant contribution to the mean errors comes from the transformation. Mean errors are:  $\sigma(b-y) = 0.009$ ,  $\sigma(m_1) = 0.008$ , and  $\sigma(c_1) = 0.015$ .

TABLE I

|               | Comparison 1 | Comparison 2 | Variable   |
|---------------|--------------|--------------|------------|
| HD number     | 112563       | 110653       | 112669     |
| HR number     | -            | 4838         | -          |
| Spectral type | A3V          | B8/9V        | G5V        |
| No of obs.    | 92           | 51           | 75         |
| V             | 6.724        | 6.394        | 9.51-10.13 |
| b-y           | 0.071        | -0.009       | 0.433      |
| $m_1$         | 0.160        | 0.095        | 0.210      |
| $c_1$         | 1.124        | 0.872        | 0.296      |

Physical parameters for NSV 6044 can be estimated following the approach of Rucinski (1983) and making use of the transformations derived by Olsen (1984). This leads to a combined absolute magnitude of 3.9 and a distance of 150 pc, a reddening  $E(b-y) = 0.029$ , reddening corrected indices of  $(b-y)_0 = 0.404$ ,  $(m_1)_0 = 0.219$ ,  $(c_1)_0 = 0.290$ ,  $\delta m_1 = 0.004$ ,  $\delta c_1 = 0.011$ , individual absolute magnitudes (assuming identical components) of  $4.7 \pm 0.1$ ,  $T(\text{eff}) = 5700 \text{ K} \pm 100 \text{ K}$ ,  $[\text{Fe}/\text{H}] = -0.05 \pm 0.08$ ,  $\log g =$

TABLE II: magnitude differences HD 112563 - NSV 6044 in the instrumental system

| HJD-2445000 | y     | b     | v     | HJD-2445000 | y     | b     | v     |
|-------------|-------|-------|-------|-------------|-------|-------|-------|
| 798.69705   | 2.945 | 3.298 | 3.713 | 801.80005   | 3.386 | 3.763 | 4.217 |
| 798.70014   | 2.925 | 3.271 | 3.689 | 801.80423   | 3.397 | 3.751 | 4.217 |
| 799.64595   | 3.305 | 3.657 | 4.093 | 801.82216   | 3.199 | 3.550 | 3.986 |
| 799.65002   | 3.315 | 3.687 | 4.122 | 801.82649   | 3.110 | 3.468 | 3.901 |
| 799.68587   | 2.967 | 3.330 | 3.745 | 801.85282   | 2.874 | 3.228 | 3.642 |
| 799.69044   | 2.929 | 3.293 | 3.718 | 801.85862   | 2.851 | 3.197 | 3.607 |
| 799.83024   | 3.289 | 3.642 | 4.103 | 801.86513   | 2.827 | 3.166 | 3.576 |
| 799.83396   | 3.211 | 3.586 | 4.023 | 801.87241   | 2.799 | 3.133 | 3.557 |
| 800.69746   | 2.859 | 3.210 | 3.613 | 801.87854   | 2.783 | 3.117 | 3.540 |
| 800.70237   | 2.841 | 3.190 | 3.600 | 803.59088   | 2.992 | 3.335 | 3.763 |
| 800.72562   | 2.786 | 3.134 | 3.544 | 803.59816   | 3.067 | 3.428 | 3.845 |
| 800.73053   | 2.789 | 3.131 | 3.540 | 803.85083   | 2.816 | 3.154 | 3.568 |
| 800.75259   | 2.849 | 3.189 | 3.600 | 803.85812   | 2.807 | 3.143 | 3.556 |
| 800.75736   | 2.874 | 3.221 | 3.637 | 803.86494   | 2.802 | 3.145 | 3.556 |
| 800.78011   | 3.077 | 3.432 | 3.860 | 803.87068   | 2.773 | 3.117 | 3.531 |
| 800.78570   | 3.153 | 3.526 | 3.967 | 805.73124   | 2.943 | 3.294 | 3.733 |
| 800.81463   | 3.378 | 3.751 | 4.191 | 805.73677   | 2.997 | 3.348 | 3.785 |
| 800.82012   | 3.314 | 3.697 | 4.155 | 805.74230   | 3.062 | 3.419 | 3.847 |
| 800.84468   | 2.990 | 3.326 | 3.743 | 805.74766   | 3.141 | 3.521 | 3.931 |
| 800.85036   | 2.924 | 3.277 | 3.696 | 805.75309   | 3.241 | 3.593 | 4.041 |
| 800.87906   | 2.791 | 3.133 | 3.547 | 805.75865   | 3.344 | 3.706 | 4.156 |
| 800.88514   | 2.780 | 3.123 | 3.542 | 805.76543   | 3.403 | 3.778 | 4.213 |
| 801.50670   | 2.972 | 3.327 | 3.745 | 805.77088   | 3.415 | 3.784 | 4.240 |
| 801.51273   | 2.926 | 3.277 | 3.682 | 805.77650   | 3.404 | 3.790 | 4.225 |
| 801.52561   | 2.863 | 3.210 | 3.631 | 805.78193   | 3.375 | 3.747 | 4.218 |
| 801.53155   | 2.829 | 3.174 | 3.593 | 805.78746   | 3.302 | 3.668 | 4.127 |
| 801.54930   | 2.782 | 3.127 | 3.528 | 805.79309   | 3.198 | 3.566 | 4.004 |
| 801.55358   | 2.775 | 3.120 | 3.522 | 805.79865   | 3.119 | 3.471 | 3.911 |
| 801.57114   | 2.796 | 3.135 | 3.548 | 805.80403   | 3.036 | 3.393 | 3.831 |
| 801.57567   | 2.805 | 3.148 | 3.546 | 805.80979   | 2.970 | 3.330 | 3.741 |
| 801.59371   | 2.889 | 3.243 | 3.639 | 809.51628   | 2.783 | 3.135 | 3.535 |
| 801.59819   | 2.917 | 3.266 | 3.677 | 809.52034   | 2.809 | 3.150 | 3.556 |
| 801.61674   | 3.134 | 3.486 | 3.903 | 809.57204   | 3.282 | 3.637 | 4.064 |
| 801.62339   | 3.250 | 3.596 | 4.020 | 809.57614   | 3.303 | 3.670 | 4.098 |
| 801.64395   | 3.279 | 3.647 | 4.066 | 809.58172   | 3.306 | 3.684 | 4.097 |
| 801.65081   | 3.200 | 3.566 | 3.977 |             |       |       |       |
| 801.65790   | 3.107 | 3.470 | 3.882 |             |       |       |       |
| 801.66513   | 3.019 | 3.375 | 3.795 |             |       |       |       |
| 801.77024   | 3.038 | 3.398 | 3.809 |             |       |       |       |
| 801.77423   | 3.096 | 3.446 | 3.869 |             |       |       |       |

$4.46 \pm 0.06$  (cgs). All these values are in good agreement with what one would expect for a G5V star, with the possible exception of  $M_V$  which is 0.4 mag too bright.

In conclusion, NSV 6044 is in all probability a W type W UMa variable of normal metal content and only slightly evolved away from the ZAMS ( $\Delta M_V = 0.14$  mag).



Due to the relative faintness and short period of NSV 604, no further observations with the Danish 50 cm telescope are planned.

BODIL E. HELT

Copenhagen University Observatory

Øster Voldgade 3

DK-1350 Copenhagen K, Denmark

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BBSAG

Bedeckungsveränderlichen Beobachter der Schweizerischen Astronomischen Gesellschaft  
Observateurs de Variables à Eclipse de la Société Astronomique de Suisse  
Swiss Astronomical Society's Eclipsing Variable Observers  
Наблюдатели Затменно Переменных Швейцарского Астрономического Общества

c./o

K. Locher  
Rebrain 39  
CH- 8624 Grüt , 1985 April 30  
Switzerland

Identical copies to

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|--------------------------------------------------------|-----------------------------------------|
| 1) Mr Bodil E. Helt<br>Author, IBVS 2699<br>Copenhagen | 2) IBVS<br>Editorial Bureau<br>Budapest |
|--------------------------------------------------------|-----------------------------------------|

Dear Sirs,

By no means I should like to blame Mr. Helt for his belief to be the discoverer of the EW variability of NSV 6044 (IBVS 2699), but I tend to do so against the reserve felt by the IAU Commission 27 authorities against amateur visual results. As you will find marked in red on pages 2 and 4 of the copy of BBSAG Bulletin 66 enclosed here, the priority of this discovery is mine.

Not at all do I claim any correction, but I beg the Commission 27 authorities to reconsider their attitude: If the IBVS would allow us to publish our results through it, not forcing us to issue our private Bulletin and to send it to about 70 institutes at our cost, such misunderstandings would not occur because everyone who publishes through the IBVS will at least be aware of the previous IBVS publications. NSV 6044 is one of about 30 eclipsing stars whose type or period have been found by us. Therefore the probability that this will soon happen again is considerable. Please rediscuss this problem at the New Delhi sessions of Commission 27, where none of us will be present.

yours sincerely

*Locher*



# BBSAG Bulletin 66

1983 June 6

## 99<sup>th</sup> List of Minima of Eclipsing Binaries

The following table lists 132 visual minima obtained mainly during 1983 April and May by the observers

|     |                                              |
|-----|----------------------------------------------|
| MA  | Maria Andrakakou, Athens, Greece             |
| RB  | Roland Boninsegna, Dourbes, Belgium          |
| RDe | Robert Dequinze, Velaine-sur-Sambre, Belgium |
| DE  | Demetrius P. Elias, Penteli, Greece          |
| RG  | Robert Germann, Wald, Switzerland            |
| KL  | Kurt Locher, Grüt, Switzerland               |
| PLo | Patrick Louis, Namur, Belgium                |
| CPa | Carlo Pampaloni, Firenze, Italy              |
| HP  | Hermann Peter, Otelfingen, Switzerland       |
| NS  | Nikolaos Stoikidis, Larisa, Greece           |
| PWi | Patrick Wils, Niel, Belgium                  |

The O-C values refer to the linear elements of the GCVS 1969, disregarding improved elements in the 1971, 1974, and 1976 supplements to the GCVS. Reductions were made mainly using the tracing paper method.

- - - - -

( continued footnotes to page 2 : )

|      |                                                                                                            |                                                                                     |
|------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| §    | period unknown                                                                                             |                                                                                     |
| §§   | not contained in the GCVS, O-C according to the elements of BBSAG-Bulletin 63, page 5 :                    | + .039 + .060 + .068 + .069                                                         |
|      |                                                                                                            | + .062 + .076 + .055 + .066                                                         |
| §§§  | not contained in the GCVS, O-C according to Myrapov's elements <i>Астрономический Циркуляр</i> 949, 1977 : | + .102                                                                              |
| §§§§ | GCVS 1969 elements incomplete, O-C according to Martin's elements PASP 87, p. 168, 1975 :                  | - .594                                                                              |
| (v)  | very slightly )                                                                                            | disturbed according to the criteria of Crawford and Olson, PASP 91, page 413, 1979, |
| (n)  | not                                                                                                        | but no correction applied to the symmetric tracing paper solution.                  |



| current<br>no. | star         | minimum<br>or- JD hel<br>der 244... | O-C n | ob-<br>server | current<br>no. | star        | minimum<br>or- JD hel<br>der 244... | O-C n | ob-<br>server |
|----------------|--------------|-------------------------------------|-------|---------------|----------------|-------------|-------------------------------------|-------|---------------|
| 20011          | V 803 Aql    | I 5432.535                          | *     | 6 KL          | 20044          | SU Cep      | I 5449.591                          | .000  | 6 KL          |
| 20012          |              | I 5432.538                          | *     | 6 MA          | 20045          | NSV 817 Cep | I 5427.285                          | §§§   | 6 KL          |
| 20013          | WW Aur       | I 5396.407                          | -.002 | 23 RDe        | 20046          |             | I 5433.451                          |       | 7 KL          |
| 20014          |              | I 5396.410                          | +.001 | 14 PLo        | 20047          |             | I 5433.459                          |       | 7 MA          |
| 20015          |              | I 5406.508                          | -.001 | 17 RB         | 20048          |             | I 5459.459                          |       | 5 KL          |
| 20016          | SU Boo       | I 5428.449                          | +.022 | 18 PWi        | 20049          |             | I 5460.391                          |       | 6 KL          |
| 20017          | TU Boo       | II 5464.370                         | -.005 | 6 KL          | 20050          |             | I 5466.556                          |       | 6 KL          |
| 20018          | TW Cnc       | I 5440.8                            | +.1   | 11 HP         | 20051          |             | II 5471.499                         |       | 8 KL          |
| 20019          | WX Cnc       | I 5440.366                          | +.161 | 11 HP         | 20052          |             | I 5485.454                          | §§§   | 6 KL          |
| 20020          | WY Cnc       | I 5440.379                          | +.011 | 8 PWi         | 20053          | RW Com      | I 5428.456                          | -.042 | 7 PWi         |
| 20021          | NSV 4187 Cnc | I 5428.399                          | **    | 6 KL          | 20054          |             | II 5441.377                         | -.057 | 6 RG          |
| 20022          |              | II 5430.447:                        | **    | 4 KL          | 20055          | CC Com      | I 5439.381                          | +.181 | 6 HP          |
| 20023          |              | II 5436.421                         | **    | 9 KL          | 20056          |             | I 5441.370                          | +.183 | 6 RG          |
| 20024          |              | I 5437.286                          | **    | 7 KL          | 20057          |             | I 5471.374                          | +.175 | 7 RG          |
| 20025          |              | I 5460.355                          | **    | 5 KL          | 20058          | W Crv       | I 5431.339                          | .000  | 6 KL          |
| 20026          | YZ CVn       | I 5430.598                          | ***   | 8 KL          | 20059          |             | I 5436.386                          | +.002 | 6 KL          |
| 20027          | R CMa        | I 5400.320                          | +.023 | 18 CPa        | 20060          |             | I 5460.403                          | -.001 | 6 KL          |
| 20028          | AK CMi       | I 5439.385                          | +.016 | 11 HP         | 20061          | Z Crv       | I 5459.424                          | -.020 | 8 KL          |
| 20029          | RZ Cas       | I 5357.726                          | -.001 | 10 RB         | 20062          | V Crt       | I 5428.421                          | +.037 | 7 KL          |
| 20030          | TV Cas       | I 5396.377                          | -.032 | 10 PLo        | 20063          |             | I 5466.338                          | +.045 | 6 KL          |
| 20031          |              | I 5396.390                          | -.019 | 24 RDe        | 20064          | SW Cyg      | I 5471.424                          | +.253 | 7 KL          |
| 20032          | AB Cas       | I 5430.440                          | -.001 | 18 DE         | 20065          | V 370 Cyg   | I 5471.530                          | +.057 | 6 KL          |
| 20033          | IR Cas       | I 5449.586                          | -.117 | 7 KL          | 20066          | SVS 294 Cyg | I 5441.561                          | §§§   | 32 DE         |
| 20034          | V 523 Cas    | I 5486.558                          | ****  | 6 KL          | 20067          | Z Dra       | I 5450.391                          | +.017 | 7 KL          |
| 20035          | V 752 Cen    | I 5428.406                          | ***** | 7 KL          | 20068          | RR Dra      | I 5471.530                          | +.213 | 6 KL          |
| 20036          |              | II 5430.456                         | ***** | 7 KL          | 20069          | CM Dra      | I 5460.521                          | §§§§  | 9 KL          |
| 20037          |              | I 5431.372                          | ***** | 7 KL          | 20070          | U Gem       | I 5439.329                          | +.013 | 19 DE         |
| 20038          |              | II 5436.357                         | ***** | 6 KL          | 20071          |             | I 5439.330                          | +.014 | 9 KL          |
| 20039          |              | I 5438.400                          | ***** | 6 KL          | 20072          | GW Gem      | I 5439.450                          | -.031 | 7 HP          |
| 20040          | NSV 6044 Cen | 5437.438                            | §     | 6 KL          | 20073          | TU Her      | I 5428.462                          | -.068 | 7 KL          |
| 20041          |              | 5438.435                            | §     | 6 KL          | 20074          |             | I 5471.538                          | -.064 | 8 KL          |
| 20042          | U Cep (v)    | I 5466.534                          | +.060 | 10 KL         | 20075          | UX Her      | I 5449.582                          | -.063 | 7 KL          |
| 20043          | (n)          | I 5471.523                          | +.063 | 8 KL          | 20076          | CC Her      | I 5430.446                          | +.109 | 8 KL          |

\* O - C according to the GCVS exceeds one period, O - C according to the elements of BBSAG Bulletin 38, page 6 : +.005 +.008

\*\* not contained in the GCVS, O - C according to the elements of BBSAG Bulletin 65, page 6 : +.018 -.004: +.058 +.036 +.040

\*\*\* no period given by the GCVS, O - C according to the elements of BBSAG Bulletin 27, page 7 : +.124

\*\*\*\* not contained in the GCVS 1969, O - C according to the GCVS 1976 : +.001

\*\*\*\*\* not contained in the GCVS 1969, O - C according to the GCVS 1974 : -.049 -.034 -.045 -.058 -.051

§ §§ §§§ §§§§ (v) (n) see preceding page



| cur-<br>rent<br>no. | star         | minimum<br>or-<br>der | JD hel<br>244... | O-C n | ob-<br>ser-<br>ver | cur-<br>rent<br>no. | star         | minimum<br>or-<br>der | JD hel<br>244... | O-C n | ob-<br>ser-<br>ver |
|---------------------|--------------|-----------------------|------------------|-------|--------------------|---------------------|--------------|-----------------------|------------------|-------|--------------------|
| 20077               | DQ Her       | I                     | 5459.460         | +.012 | 6 KL               | 20106               | V 501 Oph    | I                     | 5436.457         | -.002 | 5 KL               |
| 20078               | ES Her       | I                     | 5466.491         | -.166 | 6 KL               | 20107               | V 508 Oph    | II                    | 5437.515         | +.020 | 6 KL               |
| 20079               | MT Her       | I                     | 5460.539         | +.032 | 6 KL               | 20108               |              | I                     | 5484.578         | +.019 | 4 KL               |
| 20080               | WY Hya       | II                    | 5427.300         | +.020 | 6 KL               | 20109               | V 913 Oph    | I                     | 5464.472         | -.120 | 6 KL               |
| 20081               |              | I                     | 5428.361         | +.007 | 6 KL               | 20110               | XZ Per       | I                     | 5405.376         | +.016 | 5 NS               |
| 20082               |              | II                    | 5437.326         | +.022 | 7 KL               | 20111               |              | I                     | 5435.319         | +.016 | 5 NS               |
| 20083               | XZ Hya       | I                     | 5439.341         | +.079 | 11 KL              | 20112               | RZ Pyx       | I                     | 5427.351         | +.210 | 8 KL               |
| 20084               |              | I                     | 5439.356         | +.094 | 12 DE              | 20113               |              | II                    | 5428.326         | +.201 | 8 KL               |
| 20085               | DK Hya       | I                     | 5436.360         | -.237 | 6 KL               | 20114               |              | I                     | 5431.274         | +.195 | 8 KL               |
| 20086               |              | I                     | 5437.399         | -.242 | 9 KL               | 20115               | AO Ser       | I                     | 5474.413         | +.005 | 6 KL               |
| 20087               | EX Hya       | I                     | 5435.345         | +.008 | 17 DE              | 20116               | AU Ser       | I                     | 5441.374         | ****  | 7 RG               |
| 20088               |              | I                     | 5437.457         | +.005 | 21 DE              | 20117               | LX Ser       | I                     | 5432.469         | ***** | 9 KL               |
| 20089               |              | I                     | 5459.360         | +.005 | 13 DE              | 20118               |              | I                     | 5432.470         | ***** | 18 DE              |
| 20090               | Y Leo        | I                     | 5431.397         | +.144 | 6 KL               | 20119               |              | I                     | 5432.470         | ***** | 9 MA               |
| 20091               |              | I                     | 5436.453         | +.142 | 8 KL               | 20120               |              | I                     | 5439.441         | ***** | 18 DE              |
| 20092               | UU Leo       | I                     | 5439.456         | -.023 | 14 HP              | 20121               |              | I                     | 5439.441         | ***** | 8 KL               |
| 20093               | NSV 7060 Lib | I                     | 5438.534         | *     | 7 KL               | 20122               |              | I                     | 5442.449         | ***** | 17 DE              |
| 20094               |              | I                     | 5464.490         | *     | 8 KL               | 20123               |              | I                     | 5459.404         | ***** | 20 DE              |
| 20095               |              | I                     | 5465.531         | *     | 4 KL               | 20124               | NSV 7533 Ser |                       | 5466.495:        | §     | 8 KL               |
| 20096               |              | I                     | 5466.574         | *     | 9 KL               | 20125               | AM Tau       | I                     | 5435.328         | -.177 | 5 NS               |
| 20097               |              | II                    | 5471.494         | *     | 9 KL               | 20126               | CT Tau       | II                    | 5441.358         | +.023 | 7 RG               |
| 20098               | NSV 7087 Lib |                       | 5466.515:        | **    | 4 KL               | 20127               | RW UMa       | I                     | 5464.329         | +.029 | 6 KL               |
| 20099               |              |                       | 5471.500:        | **    | 6 KL               | 20128               | TW UMa       | I                     | 5447.509         | -.137 | 7 KL               |
| 20100               | SX Lyn       | I                     | 5439.424         | -.392 | 9 HP               | 20129               | TY UMa       | II                    | 5471.375         | §§    | 7 RG               |
| 20101               | GZ Lyr       | I                     | 5459.510         | ***   | 6 KL               | 20130               | UX UMa       | I                     | 5459.370         | +.001 | 8 KL               |
| 20102               | BO Mon       | I                     | 5432.392         | +.164 | 19 DE              | 20131               | VV UMa       | I                     | 5428.348         | +.133 | 10 PWi             |
| 20103               | SZ Oph       | I                     | 5485.459         | +.271 | 6 KL               | 20132               |              | I                     | 5441.395         | +.120 | 8 RG               |
| 20104               | V 449 Oph    | I                     | 5434.560         | +.050 | 12 KL              | 20133               | XZ UMa       | I                     | 5436.267         | -.063 | 4 NS               |
| 20105               |              | I                     | 5464.403         | +.060 | 6 KL               |                     |              |                       |                  |       |                    |

\* not contained in the GCVS , O - C according to the elements on page 5 of this issue: .000 +.001 +.004 +.008 -.003

\*\* period unknown

\*\*\* no period given by the HCVS 1969 , O - C according to the GCVS 1976: -.007

\*\*\*\* GCVS 1969 elements too inaccurate for reasonable reduction , O - C according to the GCVS 1974: +.003

\*\*\*\*\* not contained in the GCVS , O - C according to the elements of Africano , Horne , and Margon IAUC 3466: +.021 +.021 +.022 +.022 +.022 +.020 +.022

§ period unknown



| current<br>no. | star   | minimum<br>or- JD hel<br>der 244... | O-C n   | ob<br>server |
|----------------|--------|-------------------------------------|---------|--------------|
| 20134          | BM UMa | II 3433.521                         | * 6     | KL           |
| 20135          | UW Vir | I 5464.472                          | +.385 6 | KL           |
| 20136          | VV Vir | I 5460.514                          | ** 6    | KL           |
| 20137          | AK Vir | I 5431.476                          | +.027 7 | KL           |
| 20138          |        | I 5437.460                          | +.044 7 | KL           |
| 20139          |        | I 5474.455                          | +.037 7 | KL           |
| 20140          | BD Vir | I 5474.355                          | +.106 6 | KL           |
| 20141          | AW Vul | I 5447.568                          | -.015 6 | KL           |
| 20142          | BE Vul | I 5484.570                          | +.015 4 | KL           |
| 20143          | GP Vul | I 5464.437                          | -.022 6 | KL           |
| 20144          | NO Vul | I 5466.478                          | *** 6   | KL           |

\* GCVS 1969 type and period erroneous, O-C according to the GCVS 1976: +.050

\*\* O-C according to the GCVS would exceed 2 periods, O-C according to the elements of BBSAG Bulletin 31, page 6: -.019

\*\*\* not contained in the GCVS 1969, O-C according to the GCVS 1976: +.016

### 3<sup>rd</sup> Report on Visual Survey of NSV Stars Suspected to be Eclipsing

Improvements with respect to 1<sup>st</sup> and 2<sup>nd</sup> Report are underlined

| NSV<br>no. | Con-<br>stel-<br>la-<br>tion | catalogued<br>am-<br>pli-<br>tude | *<br>type | resulting<br>am-<br>pli-<br>tude | *<br>type | number<br>nights<br>sur-<br>veyed | remarks                                                                               |
|------------|------------------------------|-----------------------------------|-----------|----------------------------------|-----------|-----------------------------------|---------------------------------------------------------------------------------------|
| 817        | Cep                          | 1.0p                              | EA        | 1.1v                             | EB        | <u>43</u>                         | see BBSAG Bulletin 63, p.5                                                            |
| 4187       | Cnc                          | 1.7p                              | S         | 0.8v                             | EW        | <u>22</u>                         | " " " 65, p.6                                                                         |
| 4882       | Vel                          | 1.0p                              | EA        | 0.0v                             | CST:      | 4                                 |                                                                                       |
| 5519       | UMa                          | 1.0p                              | EA        | 0.1v                             | CST:      | <u>24</u>                         |                                                                                       |
| 5698       | CVn                          | >1.0p                             | E         | 0.3v                             | L         | <u>20</u>                         | period 40 ± 5 days, or S type such that this is the beat period with the sidereal day |
| 6044       | Cen                          | 1.0p                              | EA        | 0.3v                             | EW:       | 6                                 | period 2.00/n                                                                         |
| 6068       | Hya                          | 1.0p                              | EB:       | 0.1v                             | CST:      | 11                                |                                                                                       |
| 7060       | Lib                          | 0.7p                              | E/RR      | 0.8v                             | EB        | 18                                | see page 5 of this issue                                                              |
| 7087       | Lib                          | 0.6p                              | E/RR      | 0.3v                             | EW:       | 11                                | minima no. 20098 20099                                                                |



7476 Sco 0.9p S 0.1v CST: 8  
 7533 Ser 0.7p E 0.4v EW: 8 minimum no. 20124  
 11241 Oph 1.3p S 0.2v CST: 8  
 \* nomenclature as NSV page 6

K. Locher

N S V 7 0 6 0 Librae :  
 Detection of the Period

Suspicion of E or RR type and of 0.<sup>m</sup>7 photographic amplitude is based on a study by Ashbrook, Harvard Annals 109, no. 7, 1942. My visual survey during 18 nights April to June 1983 yields about this amplitude and the elements

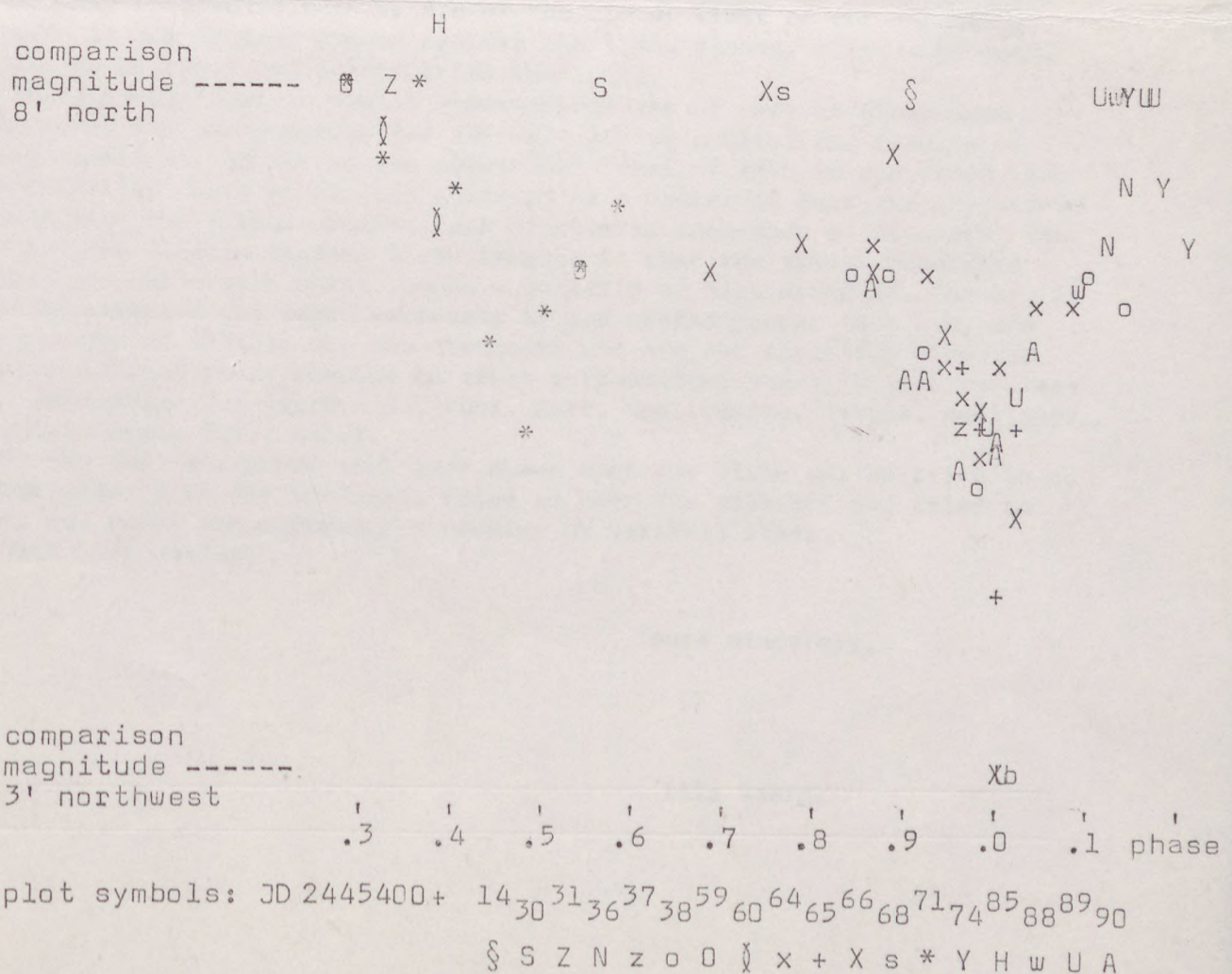
$$\text{Minimum I JD hel} = 2445438.534 + .5191 E$$

for a probable EB type.

Figure 67 plots all my observations against phase.

K. Locher

Figure 67





Heinz Grzelczyk

Ziegelhüttenweg 28 29. März 1985

8830 Treuchtlingen

West Germany

08.03.85

Herrn  
Heinz Grzelczyk  
Ziegelhüttenweg 28  
8830 Treuchtlingen  
B.R.D.

Lieber Herr Grzelczyk!

Vielen Dank für Ihren Brief von 08.03.85..Die visuellen Beobachtungen können sehr wichtig sein, wenn man das grobe Verhalten der Veränderlichen untersucht oder besonders neue Ephemeriden bestimmt. Solche Resultate sollen unbedingt publiziert werden. Leider aber, nach der alten Tradition, teilen wir keine visuelle Ergebnisse in IBVS mit. Der Grund davon ist, dass wir die Ergebnisse von vielen visuellen Beobachtern nicht kontrollieren können. Die Alltagspraxis ist, dass die wichtigsten Zentralstellen /z.B. AAVSO, BAV/ die Beobachtungen zusammensammeln und Resultate werden in ihren Zeitschriften mitgeteilt. Der BAV teilt regelmässig Zusammenstellungen auch in Astronomischen Nachrichten mit.

Wir senden Ihnen unsere "Mitteilungen", die sich mit veränderlichen Sternen beschäftigen, sehr gern. In Balde bekommen Sie schon einige.

Mit herzlichen Grüßen,

Ihr

Béla Szeidl



Heinz Grzelczyk  
Ziegelhüttenweg 28  
8830 Treuchtlingen  
West Germany

08.03.85

Dear Dr. Szeidl,

I'm now working for seven years with the 'BAV-Berlin' and  
I hope that it is possible for me to publish my visual  
Minima of ACCMi with a new ephemeris in your IBVS.  
The old period given by Tsesewich is erroneous.  
It seems to me that ACCMi is a quite interesting system.

For my further work it would be a great help if it is  
possible for you to send me your 'Mitteilungen der Sternwarte  
Budapest', dealing with variable stars.

I am looking forward, hearing good news from you.  
Thank you very much for your help.

Sincerely Yours

H. Grzelczyk



*Eg. munkelenkedés*

Dr. B. Szeidl

Konkoly Observatory  
Budapest XII, Box 67  
Hungary

Dear Dr. Szeidl,

We believe the following considerations will be of interest for the I.B.V.S. (Unexpected interpretation of the Firmanyuk's relation).

We would like to propose the following explanation of the striking relation obtained by B.N.Firmanyuk (I.B.V.S. No. 1563, 1979). We found that this relation between the period (expressed in epochs E, not in days) of long-periodic fluctuations of O-C values and the period of light variability (common for RR Lyrae stars, Mira variables, Cepheids, Delta Scuti stars, and even eclipsing stars) simply implies that strictly the same period (in days) of O-C fluctuations exist for such a different objects:  $21600^d = 59^a \cdot 1$ . Only few stars with light periods near to  $0.1^d$  deviate from the common relation and were rejected (maybe the reason of these deviations is the multiperiodic nature of light variability of Delta Scuti stars).

The same value of the O-C period must reflect (the Doppler effect) some unaccounted movement of the observer. The value of this period means this motion is result of the Solar system center of masses periodic displacements relative its mean position. The period  $59^a$  is just equal to the five orbital periods of Jupiter and to the two ones of Saturn!

This our explanation should be verify by regarding of the O-C fluctuation amplitudes and its dependence on the ecliptical latitude of stars.

Sincerely yours

Yu.N.Efremov (Sternberg Astronomical Institute, Moscow, U.S.S.R.)

*Yu. Efremov*

M.S.Frolov (Astronomical Council of the U.S.S.R. Academy of Sciences

Moscow, U.S.S.R.)

*Frolov*



UNIVERSITÀ di PERUGIA  
OSSERVATORIO ASTRONOMICO

---

Via Bonfigli - 06100 Perugia - ITALY

TEL. (0039) (075) 20632 - 4693042

Perugia, October 16 , 1989

Dr. Bela Szeidl  
Konkoly Observatory  
Box 67  
H-1525 Budapest  
HUNGARY

*Dear Dr. Szeidl,*

I have pleasure in informing you that, at the University of Perugia, there has been created a new astronomical centre bearing the name "Osservatorio Astronomico - Università di Perugia", and under my responsibility.

This centre is already providing the necessary basis for research and teaching activities, above all in the fields of Astrophysics, with particular reference to variability and infrared phenomena, Space Engineering and the History of Astronomy.

The Observatory will publish a series of "Contributions", including reprints of original papers written either by the Centre's direct collaborators or by others for international scientific journals, and I should be particularly pleased to contribute to IBVS.

Taking into account especially our scientific interests and teaching responsibilities, it would be very important for us to receive the IBVS including, as much as possible, the back numbers.

Thanking you in advance, I remain

Yours sincerely

Prof. Paolo Maffei



*Paolo Maffei*



Columbia University in the City of New York | New York, N.Y. 10027

DEPARTMENT OF ASTRONOMY

February 19, 1985

Dr. B. Szeidl  
Konkoly Observatory  
1525 Budapest XII. Box 67  
Hungary

Dear Dr. Szeidl:

Please excuse my delay in replying to your letter of last December 14. Until quite recently I was rather busy getting out our report for the "Reports on Astronomy". I thank you very much for your contribution to that effort. I hope we managed to retype it without adding too many typographical errors!

In response to your proposal, I shall include the name of Dr. K. Oláh on the list of new members of Commission 27 which I shall send to the General Secretary.

From the enclosed letter to all members of the Organizing Committee, you will see what I have in mind for our activities in Delhi, and I shall be glad for your comments. There are two items about which I would particularly like your advice. First, Dr. Breger writes me that he has serious reservations about certain types of contributions to the Archives of Unpublished Observations. When a list includes many stars, each with relatively few observations, there may be no very effective way for a user to extract useful data. This applies in particular to the archiving of Automatic Photometric Telescope observations (I note that summaries are also published in IBVS). Dr. Breger states that you also have doubts about this, and I am wondering if some kind of guidelines should be drawn up and whether the Commission can be of help here. Should this be discussed at our business meeting in Delhi? Dr. Breger thinks it should. If so, some fairly definite proposal should be formulated in advance.

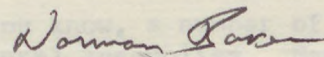
I have also had a comment from one member who thinks that IBVS may be being misused by a few people who publish work that is really not for the purpose of announcing something or alerting other observers, but really constitutes an ordinary paper on a small scale, which might not survive the refereeing process of a conventional journal. Do you perceive this to be a problem? If so, do you think there should be new guidelines, and can the Commission be of help? In any case, should there be a discussion? My own feeling, for what it's worth, is that even these "marginal" contributions may serve some useful purpose, since they would not otherwise be published at all, in most cases. Since I



think it is generally understood that IBVS papers are not refereed, no one should be misled if some are not of high quality. On the other hand, such papers, if they became too numerous, might become a great burden on the editors and an unjustifiable expense, in which case you might feel the need for some kind of restrictions. It seems to me that there is a basic difference between an unrefereed publication and a refereed one, and there is scarcely any middle ground. Nevertheless, one can have certain guidelines, if they are not too difficult for the editors to enforce, and we might give some thought to this. I shall not do anything about this unless you wish me to, and I mention it only to pass on the comment and to offer any assistance you might think useful.

Having recently spent quite a lot of time on the "Reports on Astronomy", I can give you some advice that you may find helpful three years from now. Since the Secretariat requires that the entire report be typed in exactly the same way, it would of course be best if all contributors used exactly the same typewriter, but that is out of the question, so one has no alternative to retyping the whole thing. This makes a big proof-reading job, but there's no help for it. I did regret that I did not specify a uniform style for the references. The IAU seems not yet to have a standard for these, and I originally felt that everyone could just use what each preferred. After I had received all the contributions I decided that the references should be made uniform, and that cost me a lot of work. In the end I used a style very similar to yours, which I think is a good one, as it is very concise. Somewhere the IAU suggests just giving the abstract number in Astronomy and Astrophysics Abstracts, but this is unsatisfactory because it cannot be used for recent papers and because it requires that a reader look up first the abstract and then the journal in order to find the paper. On the whole I think a scheme like yours is best, but one should tell all contributors to use it in advance. I hope you will find this information helpful when the time comes.

Yours sincerely,



Norman H. Baker



DEPARTMENT OF ASTRONOMY

February 18, 1984

To: Members of the Organizing Committee, IAU Commission 27

Dear Colleague:

I would like inform you of recent developments, most of them related to the 1985 General Assembly.

Joint Discussions at the 1985 General Assembly. The Joint Discussion, "Solar and Stellar Non-Radial Oscillations", is now being organized, and a Scientific Organizing Committee has been formed. It now appears that there will be four sessions with 20- or 30-minute talks on about nine topics. A preliminary program will appear in the next IAU Information Bulletin. If you would like more details please write to me or to Dr. A.N. Cox, the chairman of the SOC. I still do not have much detailed information on the JD on "Supernovae". If you are interested the person to write to would be the organizer, V.L. Trimble.

Symposia and Colloquia. I have little to report beyond what I told you in my letter of October 26, 1984. A number of members of the Organizing Committee replied to my query as to whether the proposed 1988 Colloquium, "Solar and Stellar Flares", should be sponsored by our Commission, and the response was decidedly positive. I have so informed the organizers.

Commission Sessions at Delhi. So far there are plans for three sessions. Dr. M. Cohen has agreed to help me organize a session on "T Tauri Stars". This is an active field that unfortunately had to be dropped from the Joint Discussion. Dr. Mavridis offered to put together a session on "Flare Stars", as he did at Patras. I have accepted his offer and asked Dr. Rodono to collaborate with him. In addition there will be a business session, at the end of which there will probably be time for some short papers.

I have several requests: 1. If you have suggestions for topics or speakers for either of the special sessions mentioned above, please write to one of the organizers (or to me). 2. Do you think we need to have another scientific session, with short papers on a variety of topics? (My impression is that these are usually not too rewarding nor well attended.) 3. Do you know of any subjects that should be placed on the agenda of the business meeting?

Invited Participants to the General Assembly. As you know, a number of non-members of the IAU are invited to participate in General Assemblies. Names are proposed by, among others, Adhering Organizations and Presidents of IAU Commissions. If there are persons whom you wish me to propose, please send me their names and addresses, as well as a few sentences explaining why they should be invited.

Reports on Astronomy 1985 and Astronomers Handbook 1986. Thanks to the cooperation of a number of members of the Commission, our contributions to both of these have been completed and sent to the General Secretary. The former is 35 pages long, the latter two pages. If you would like a copy of either or both, please let me know. I believe that Reports on Astronomy 1985 is scheduled to be published early next summer.

Please let me have your comments as soon as convenient.

Sincerely yours,

*Norman Baker*

Norman H. Baker  
President, Comm. 27



UNIVERSITE DE LIEGE  
INSTITUT D'ASTROPHYSIQUE  
B-4200 OUGREE-LIEGE (BELGIQUE)

Dr. B. SZEIDL  
Konkoly Observatory  
Box 67  
H-1525 BUDAPEST XII (HONGRIE)

May 18, 1983.

Dear Dr. SZEIDL,

Thank you for having sent me a copy of your answer to Dr. A. Heck. Indeed I received a copy of the letter he wrote to you, but of course I did not react at all to such a "funny way" of seeing things. I do not want to enter into an argument with him about this. In fact a paper was (and is still) in preparation with Dr. J. Manfroid about the star (HD 83368) for which HD 85037 was taken as a comparison star in 1975. I intended, in agreement with Dr. Manfroid, to join Heck's name to ours as a full co-author, as was already done before in such cases and as it will be done in other planned papers in which the 1975 observations will also be used. The paper which is being written, with Heck's name as co-author, will as usual be submitted to him before being sent to the editor, what I of course considered not worth doing for the I.B.V.S. 2298, hence the presentation of the authorship.

These measurements have been made at the European Southern Observatory during a mission I obtained for me. But I asked A. Heck to make the observations and he agreed. Instead of doing that faithfully, he got the opportunity to do extra work for himself, without letting me know. The slapdash measurements he made for me can hardly be used. That is the reason why so few results have so far been published.

The data he obtained can be used when the period of the star is found by means of more precise recent measurements. His name is then added as in the above mentioned paper in preparation.

Dr. Heck is no longer at our Institute since he was considered to be a "troublemaker". He has left for several years and a job was found for him in Villafranca for the I.U.E. satellite.

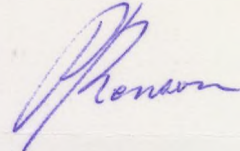
./.



When sending the note for the I.B.V.S., I could not imagine that he would bring you so much trouble, as he already did to other people. I am really sorry for all this. However do not worry; everybody knows that you are not responsible for the signing of the notes sent to you, only the author is.

With my best regards,

Yours sincerely,



P. RENSON.

Dear Dr. [unclear]

Thank you very much for your letter of May 6, 1933. I believe also that the wisest settling of the matter is to leave it as it is now.

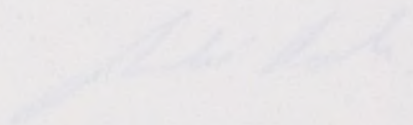
On a confidential basis, I can now tell you that my main purpose was to give a serious warning to Dr. Renson about his way of behaving.

Besides Dr. Renson's problems mentioned in my previous letter (IBVS 1933 & 1934), there will also appear in contact with Dr. Renson (IBVS 1934). Fortunately this letter received a swift and quiet return in the form of a resignation of the editorship. Personally, I have been caught by surprise. He did not understand why Dr. Renson act in such a way. His only argument when he gets complaints, is to answer that the IBVS are not important publications!

You must also realize that Dr. Renson never observed, neither received photometric data, and he does not want to. But he has little idea of the performance. Renson and myself started a collaboration with him mainly because there was an opportunity for us to observe (which we did) and to do an experiment at various instrument times. I stopped in 1926, essentially because I became deeply involved in other fields, but things might have been different if Renson had an easier personality.

I hope these confidential statements will help you to understand better the actual background of the situation.

With best regards,



André Heck.



UNIVERSITÉ LOUIS-PASTEUR  
OBSERVATOIRE ASTRONOMIQUE

11, RUE DE L'UNIVERSITÉ  
67000 STRASBOURG  
TÉLÉPHONE: 35.43.00  
POSTES 265 - 266  
TELEX: 890 506 STAROBS

STRASBOURG, LE May 16, 1983. 19

May 6, 1983.

Dr. B. Szeidl  
Konkoly Observatory  
H-1525 Budapest  
Box 67  
Hungary

Dear Dr. Szeidl,

Thank you very much for your kind letter of May 6, 1983. I believe also that the wisest settling of the matter is to leave it as it is now.

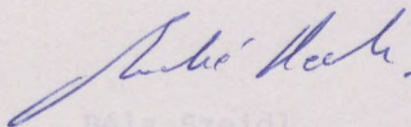
On a confidential basis, I can now tell you that my main purpose was to give a serious warning to Dr. Renson about his way of behaving.

Besides Dr. Manfroid's problems mentioned in my previous letter (IBVS 1280 & 1391), there had also been an attempt with Dr. Sterken (IBVS 1373). Fortunately this latter received a draft and could obtain in time a modification of the authorship. Personally, I have been caught by surprise. We do not understand why Dr. Renson act in such a way. His only argument when he gets complaints, is to answer that the IBVSs are not important publications!

You must also realize that Dr. Renson never observed, neither reduced photometric data, and he does not want to. Thus he has little idea of the performance. Manfroid and myself started a collaboration with him mainly because there was an opportunity for us to observe (which we enjoy) and to become experienced at various instrumentations. I stopped in 1976, essentially because I became deeply involved in other fields, but things might have been different if Renson had an easier personality.

I hope these confidential comments will help you in understanding better the actual background of the situation.

With best regards,



André Heck.



ANKOLY OBSERVATORY  
THE HUNGARIAN ACADEMY OF SCIENCES  
1525 BUDAPEST XII. BOX 67.  
HUNGARY

May 6, 1983.

Dr. André Heck  
Observatoire de Strasbourg  
11, Rue de l'Université  
67000 Strasbourg  
France

Dear Dr. Heck,

I am really and truly sorry for the incident. During the past ten years, as an Editor, I have never coped with such a delicate and serious problem.

The I.B.V.S. was established for rapid communications /having received the manuscript the published paper is distributed within two or three weeks/. Therefore, there is no time and possibility for refereeing or checking the papers. Nothing is left to me but to take the benevolent and honest cooperation of all authors for granted. Otherwise the I.B.V.S. could not comply with the requirements of high speed. Nevertheless I understand your complaint. If you both, you and dr. Renson agree, we can put a correcting note in one of the next issues of I.B.V.S. on the proper authorship of I.B.V.S. No. 2298, but I do not believe that it would be a wise settling of the matter. At any rate I will bestow more care on this matter. In spite of everything I still suppose and expect that the prospective contributors of I.B.V.S. are bona-fide and act fairly.

With best regards,

Yours sincerely

Béla Szeidl

cc: Dr. Renson, Liège



STRASBOURG, LE April 26, 1983. 19

May 6, 1983.

Dr. André Heck  
Observatoire de Strasbourg  
11, Rue de l'Université  
67000 Strasbourg  
France

Dr. B. Szeidl  
Konkoly Observatory  
H-1526 Budapest  
Box 67  
Hungary

Dear Dr. Szeidl,

Dear Dr. Heck,

I just got in my mail IBVS nr. 2298 with  
the contribution by Dr. Renson on HD 85037.

I am really and truly sorry for the incident. During the  
past ten years, as an Editor, I have never coped with such a  
delicate and serious problem.

The I.B.V.S. was established for rapid communications  
/having received the manuscript the published paper is  
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time and possibility for refereeing or checking the papers.  
Nothing is left to me but to take the benevolent and honest  
cooperation of all authors for granted. Otherwise the I.B.V.S.  
could not comply with the requirements of high speed.  
Nevertheless I understand your complaint. If you both, you  
and Dr. Renson agree, we can put a correcting note in one of  
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the prospective contributors of I.B.V.S. are bona-fide and  
act fairly.

With best regards,

André Heck

Yours sincerely

cc: Dr. Renson, Liège.

Béla Szeidl

cc: Dr. Renson, Liège



DE DONNÉES STELLAIRES  
OBSERVATOIRE DE STRASBOURG

11, RUE DE L'UNIVERSITÉ  
67000 STRASBOURG  
TÉLÉPHONE (88) 35.43.00  
TÉLEX: 890 506 STAROBS

STRASBOURG, LE April 26, 1983. 19

Dr. B. Szeidl  
Konkoly Observatory  
H-1525 Budapest  
Box 67  
Hungary

Dear Dr. Szeidl,

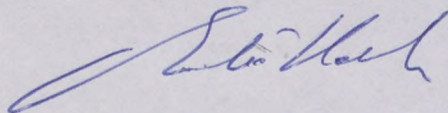
I just got in my mail IBVS nr. 2298 with  
the contribution by Dr. Renson on HD 85037.

Although I was not aware of that paper, I am  
happy that Dr. Renson finally published something with the data  
I collected (about a month of observations) and fully reduced  
for him in 1975. This however was far to be a negligible amount  
of work and would have justified a full co-authorship, and not  
just acknowledgements and this incorrect mention of simple  
observer.

Dr. Renson already applied this funny way  
of signing a paper to earlier IBVS contributions with  
Dr. Manfroid (IBVS nr. 1280 & 1391). After this latter complained,  
the publications appeared under a proper authorship.

I am not sure it is feasible for you to insert  
a corrective note, but I would strongly recommend that in the  
future you check before publication with the collaborator  
in case Dr. Renson submits again a paper in a similar form.

Sincerely Yours,



André Heck

cc: Dr. Renson, Liège.



Arconate(Italy), 25 may 1976

Dear Prof. Szeidl,

I am an Italian amateur and I observe many variable stars and I contribute to European groupes of study of these stars.

I am very interested to may receive the "International Bulletin of Variable Stars" and I asked you if it's possible to send it me. My address is :

ENNIO PORETTI

Via Manzoni, 3

20020 ARCONATE (MI)

(Italy)

Yours sincerely

*Ennio Poretti*

Ennio Poretti



IBVS *leben*

DR.-REMEIS-STERNWARTE, BAMBERG  
ASTRONOMISCHES INSTITUT DER  
UNIVERSITÄT ERLANGEN-NÜRNBERG

- Prof.Dr.W.Strohmeier -

86 Bamberg, den 18.4.1975  
Sternwartstraße 7, Telefon 2 37 08  
(Vorwählnummer 09 51)  
Postfach 40 44

KONKOLY OBSERVATORY  
zu Hd.: Herrn Dr. B. S z e i d l

P.O. 114, Box 67

B u d a p e s t XII  
-----

Hungary

Sehr geehrter Herr Dr. Szeidl!

Zunächst bedanke ich mich für Ihr Schreiben vom 27. März 1975, in dem Sie mir die traurige Nachricht vom Tode Ihres verehrten Direktors, Prof.Dr.Detre mitgeteilt haben. Ich war tief erschüttert und habe seiner Frau mein Beileid ausgedrückt.

Für uns erhebt sich aber nun die Frage, ob wir in alter Weise unsere Wünsche beim IBVS berücksichtigt bekommen können. Es handelt sich dabei um die Lieferung von 350 Sonderdrucken, auf das grosse Format DIN A 4 gebracht. Bisher ging das immer sehr gut.

In dieser Hoffnung übersenden wir beiliegend eine neuerliche Arbeit, die wir gerne in alter Weise bei Ihnen im JBVS gedruckt sähen. (Von meiner jetzt bei Ihnen vorliegenden kurzen Notiz brauchen wir keine Sonderdrucke).

Das IBVS ist eine gute Einrichtung und es wäre schade, wenn durch den Tod von Prof.Detre sich das ändern würde.

Mit Dank im Voraus und vielen Grüßen

Ihr

*W. Strohmeier*  
(W. Strohmeier)



KONKOLY OBSERVATORY

1525 BUDAPEST XII. BOX 67.

HUNGARY

8.8.1975

17. Juli 1975

Dr. Waltraut Seitter  
Observatorium Hoher List  
Universitäts-Sternwarte Bonn  
5568 Daun/Eifel

Liebes Fräulein Seitter,

Ihre spektroskopische Beobachtungen von Nova Scuti 1975 wird in IBVS Nr. 1026 erscheinen. Die originale Abbildung haben wir zurückgeschickt. Wenn diese in einigen Tagen nicht ankommt, bitte schreiben Sie mir.

Vielen Dank für die Gratulation. Sicher können Sie sich aber vorstellen, dass diese Ernennung mir keine Freude verursacht hat und ich bin noch immer erbittert wegen des frühen Tods unseres Direktor.

Mit herzlichen Gruss

Ihr

Béla Szeidl



17. Juli 1975

Dr. B. Szeidl  
Konkoly Observatory  
P.O. 114 Box 67  
Budapest XII  
Ungarn

Lieber Herr Szeidl,

beiliegend finden Sie eine kurze Mitteilung für Ihr Information Bulletin. Die Abbildung geht mit gleicher Post an Sie ab. Wir dachten, es sei besser das Original zu schicken als eine nicht so gute Kopie. Dürfen wir Sie bitten, das Original zurückzuschicken? Rückporto liegt bei.

Ich nehme gleich noch die Gelegenheit wahr, Ihnen zu Ihrer neuen Position als Direktor der Sternwarte zu gratulieren. Ich freue mich sehr, daß man Sie für diese große Aufgabe gewählt hat. Natürlich wird es Sie nicht wundern, daß ich trotzdem sehr herzlich um Herrn Detre traure, der mir, wie so vielen Astronomen, immer als guter Freund erschienen ist. Wie geht es Frau Detre? Bitte grüßen Sie herzlich und versichern Sie ihr, daß ich ihren Gatten stets in guter Erinnerung behalten werde.

Mit herzlichem Gruß

Waltraut Seitter

Waltraut Seitter

Abstrakt mit Abbildung.





Monash University

CLAYTON VICTORIA AUSTRALIA 3168

Telephone: 541 0911 Telegrams: Monash Uni Melbourne

June 15, 1978 May 30

Dear Prof. Szeidl,

Dr. D.W. Coates

Senior Lecturer in Physics

Physics Department

Monash University

Clayton Victoria

Australia 3168

Dear Dr. Coates,

We have placed the address of your Physics Department on our mailing list and will regularly send you the I.B.V.S.

Prof. B. Szeidl,  
Konkoly Observatory,  
1525 BUDAPEST XI,  
Box 67,  
HUNGARY

Yours sincerely

/ B. Szeidl /





PHYSICS DEPARTMENT,  
**Monash University**

CLAYTON VICTORIA AUSTRALIA 3168

Telephone: 541 0811 Telegrams: Monashuni Melbourne

1978 May 30

Dear Prof Szeidl,

Many thanks for your prompt reply  
to my enquiry about the availability of Inf. Bull.  
Var. Stars.

We have a small group in the Physics  
Department here using a photoelectric photometer  
on a 40-cm reflector to study pulsating  
variables, and I should appreciate the I.B.V.S.  
(free of charge) from the earliest convenient date,  
by airmail.

Yours sincerely,

D. W. Coates

Dr D. W. COATES  
Senior Lecturer in Physics

Prof B. Szeidl,  
Konkoly Observatory,  
1525 BUDAPEST XII,  
Box 67,  
HUNGARY

behaviour of the system



# AEROGRAMME

BY AIR MAIL : PAR AVION



Prof B. SZEIDL,  
KONKOLY OBSERVATORY,  
1525 BUDAPEST XII,  
BOX 67,  
HUNGARY.

Country of Destination

Approved by the Australia Post for  
acceptance as Aerogramme No. 41

Dr D. Coates,  
From Physics Department,  
MONASH UNIVERSITY  
CLAYTON, VICTORIA, AUSTRALIA, 3168

To Open Slit Here First



DUBLIN INSTITUTE FOR ADVANCED STUDIES

SCHOOL OF COSMIC PHYSICS

TELEPHONE: 383544/383887  
PROFESSOR P.A. WAYMAN M.A., Ph. D.

DUNSINK OBSERVATORY,  
CASTLEKNOCK,  
CO. DUBLIN.

19 December 1977

M. Bela Szeidl,  
Konkoly Observatory,  
1525 Budapest XII, Box 67,  
Hungary.

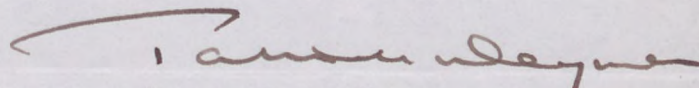
Dear M. Szeidl,

I have your letter of 8 December and we received the very valuable gift you have made of the Information Bulletin on Variable Stars. This material, as you know, is often in demand and is scarcely available otherwise; therefore I am most pleased that you have been so kind as to send us a complete set.

Mitteilungen of Budapest were not destroyed, except for No. 65, which was among IAU Colloquia. We would be grateful to receive a copy of that one and copies of Nos. 1, 2, 33 and 36, which also appear to be missing in the series 1-69.

With grateful thanks,

Yours sincerely,



Prof. P.A. Wayman

Keith Mitteilungen Nr. 1, 2, 33, 36, 65

No 33, 65, exp. 17/13.

○ Gefordert!



October 29, 1982

Sedgefield Observatory,  
P.O. Box 48,  
Sedgefield,  
6573 South Africa.

Dr. J. Hers  
Director, Variable Star Section, ASSA  
Sedgefield Observatory  
P.O. Box. 48,  
Sedgefield, 6573  
South Africa

13th October 1982

Dear Dr. Hers,

Dear Dr. Hers, I enclose to you a copy of the I.B.V.S. as directed by the Variable Star Section of the Astronomical Society of South Africa, one of the publications which I received regularly for the information of the I.B.V.S. Copies received as requested.

I cannot puzzle out either why the I.B.V.S. was stopped being sent to ASSA. I only know that the bulletins were sent to Mr. Overbeek until 1979.

Now we placed your address on our mailing list and will regularly send them to you. We will also send you the missing back issues soon.

With kind regards,

Yours sincerely,

with kind regards,

B. Szeidl

Director, Variable Star Section,  
Astronomical Society of South Africa.



Sedgefield Observatory,  
P.O. Box 48,  
SEDFIELD,  
6573 South Africa.

13th October 1982

Dr. B. HERS

Director, Variable Star Section, ASSA

Sedgefield

Dr B. Szeidl,  
Konkoly Observatory,  
P.O. Box 114,  
BUDAPEST,  
HUNGARY.

Dear Dr Szeidl,

When, in January 1977 I succeeded Mr M.D. Overbeek as Director of the Variable Star Section of the Astronomical Society of S.A., one of the publications which I received regularly was the Information Bulletin on Variable Stars. Copies reached me somewhat erratically, being forwarded to me from Cape Town by the Secretary of the ASSA, Mr T.W. Russo. However, when Mr Russo died in October 1980, the IBVS also stopped coming, and since that moment - in spite of all efforts on my part - no one, neither at the ASSA nor at the S.A. Astronomical Observatory, has been able to throw any light on the matter. They hardly know of the existence of the IBVS, and no one knows how copies were received, or how they came to be forwarded to me!

It has now occurred to me that what may have happened was that they were still being addressed to Mr R.P. de Kock, a former director of the Variable Star Section, and that when he died, also in 1980, everything came to an abrupt end. Possibly your mailing list may contain the solution to this mystery.

But, be this as it may, it would seem that everything would be far more efficiently arranged if the IBVS were to be mailed to me direct, at the above address. Your assistance in this matter would be greatly appreciated. The last issue at present on my shelf is No. 1704 (1979 Nov. 13)

With kind regards,

Yours sincerely,

J. HERS  
Director, Variable Star Section,  
Astronomical Society of Southern Africa.



KONKOLY OBSERVATORY  
1525 BUDAPEST XII. BOX 67.  
HUNGARY

May 31, 1976

Professor Boris V. Kukarkin  
University  
Corpus K. ap. 122  
Moscow V-234  
U.S.S.R.

Dear Professor Kukarkin,

Your interesting appeal to the variable star observers will appear in IBVS No. 1137. Your idea is very witty and if true it will be of considerable importance.

I hope that our cooperation can be intensified within the framework of the multilateral agreement. Unfortunately, this year I can only go to Byurakan for a very short visit in October to the symposium and inauguration of the new telescope. I hope I will be able to meet you there.

However, E. Rupp travels to Dubna in June. She will spend there two weeks. She also intends to see the Sternberg Institute. May I ask you to make this possible ? She will ring you up from Dubna.

Yours very sincerely

Béla Szeidl



12 mar 1946

14261-645

Dr. B. Szeidl, Director  
Konkoly observatory  
1525 Budapest XII  
Box 67  
Hungary

Dear Dr. Szeidl :

We are sending you as enclosure the project of our address to the variable star observers. We are hoping to draw their attention to ellipsoidal variability of the run-away stars. Please tell me your opinion and also your consent to see this address in the IBVS.

With best wishes

Sincerely yours

*Boris V. Kukarkin*

Boris V. Kukarkin

Enclosure

BVK : es

*Aug. Szeidl is new*



Москва, 15 марта 1976 г.

Дорогой доктор Сайдл !

Прежде всего хочу выразить Вам самую глубокую благодарность за заботы, которыми Вы окружили Н.П.Кукаркину во время её работы на вышей Конколи обсерватории и жизни в Венгрии. После её возвращения, почти каждый вечер, когда вся наша семья собиралась вместе, она много и радостно рассказывала о своей жизни в Будапеште и работы на Матре. Очень я рад, что Вы любезно разрешили ей воспользоваться коллекцией снимков шарового скопления М 92. Полученные ряды наблюдений вместе с опубликованными наблюдениями дают непрерывный ряд с 1949 года.

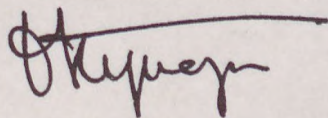
Все мы в Астрономическом Совете и в Астрономическом институте Штерберга будем очень рады организации совместных исследований. Сейчас один из моих сотрудников ( В.П. Горанский ) исследует эффект Блажко у ряда переменных в различных звездных скоплениях. Вероятно в каждом шаровом скоплении имеются специфические особенности проявления этого эффекта.

Недавно М.С.Фролов выступил с подробным рефератом Вашей работы о звезде AC Andromedae , недавно опубликованной в *Astrophysical Jour.*

Мы надеемся, что Вы выполните данное Вами обещание посетить нас в ближайшее время. Вашу поездку надо планировать в Астрономический Совет Академии Наук СССР и предусмотреть обязательное посещение Астрономического Института им. Штернберга при Московском Университете ( Министерства Высшего и Среднего Специального Образования СССР ), Крымской Астрофизической Обсерватории Академии Наук СССР и Бюраканской Астрофизической Обсерватории Академии Наук Армянской ССР.

Ещё раз благодарим Вас. Н.П.Кукаркина и я просим Вас передать наши приветы и благодарности Каталине Барлаи, Эржбеве Руп, Шандору Канев и всем другим сотрудникам, так заботливо отнёсшимся с Наталье Павловне.

В а ш



Б. В. Кукаркин



March 23, 1988

Professor Arlo U. Landolt  
Department of Physics and Astronomy  
Louisiana State University  
Baton Rouge, Louisiana 70803-4001  
USA

Dear Professor Landolt:

I should like to apologize for the inconvenience we might have caused for you with the reply card on the IBVS. The IBVS is sent to astronomical institutes, observatories and university departments free of charge, in exchange for their own publication or related astronomy publications. There are, however, some individuals on our mailing list, viz. members of IAU Comm. 27 who have been receiving the IBVS since the early issues. Due to the ever growing number of members in our commission we cannot guarantee sending a personal copy for each of them any longer. However, we intend to send the future issues of the IBVS for those individual members of IAU Comm. 27 who responded "yes" in their reply card. The question criticized in your letter concerns the libraries of institutes, observatories, and departments on our mailing list. Since the overwhelming majority of our addressees belongs to this group, we preferred adding that question to the standard form of the reply card. Due to the limited budget of our observatory (N.B. we do not have any financial support from the IAU) we are unable to increase circulation of the IBVS over 700. Our preliminary estimation is that 20-30 reply cards will check "no", thus allowing to place several new addresses on the mailing list, the address of those who are really interested in receiving the IBVS. Your letter shows that you belong to the regular users of the IBVS, and letters like yours convince us that the Bulletin has to be continued.

Sincerely yours,

Béla Szeidl





Department of Physics and Astronomy  
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE  
BATON ROUGE · LOUISIANA · 70803-4001

Telephone: (504) 388-2261  
Telex: 559184  
Fax: (504) 388-5855

March 3, 1988

Prof. Dr. Bela Szeidl  
Konkoly Observatory  
Budapest, XII.  
P.O. Box 67  
Hungary, H-1525

Dear Prof. Szeidl:

I received the enclosed card with the last issues of the Information Bulletin on Variable Stars (IBVS). I do wish to receive the IBVS in the future.

I do not understand the reason for the line which asks which publication will be offered in exchange. I always understood that I received the IBVS because I am a member of Commission 27 of the International Astronomical Union (IAU). If that is no longer true, and if it is becoming too great a financial burden for your Observatory to publish, then some discussion should be made at the IAU meeting in Baltimore in August to see what might be done.

By the way, do you have an agenda for Commission 27 related sessions in Baltimore?

Many thanks.

Sincerely yours,

Arlo U. Landolt  
Professor of Astronomy



January 6, 1982

S.R. DUNLOP, F.R.A.S.  
Secretary

140 Stocks Lane  
East Wittering  
nr Chichester  
West Sussex  
PO20 8NT

Bracklesham Bay  
(0243) 670354

Dr. Storm Dunlop F.R.A.S.

140 StockssLane

1981 Dec. 28

Dr. L. Szeidl  
Körmend  
1525 Budapest  
Hungary  
East Wittering  
nr Chichester, West Sussex  
PO20 8NT

Great Britain

As you will know I am closely involved with amateur variable star work in this country, and I should like to receive a copy of the IBVS, to keep abreast with developments. Can you please tell me how I may subscribe. If you would prefer an exchange of books or other publications, rather than a direct subscription, please let me know.

Dear Dr. Dunlop,

We, usually, send the IBVS in exchange for publications, otherwise the subscription price of 100 issues (incl. surface mail postage) is 15 \$ US. Of course, we prefer an exchange of books or other publications.

We put your name on our mailing list for IBVS, and will regularly send them to you.

Storm With best wishes for the New Year

Yours sincerely

Béla Szeidl



# THE BRITISH ASTRONOMICAL ASSOCIATION

---

S.R. DUNLOP, F.R.A.S.  
Secretary

Bracklesham Bay  
(0243) 670354

140 Stocks Lane

East Wittering

nr Chichester

West Sussex

PO20 8NT

1981 Dec. 28

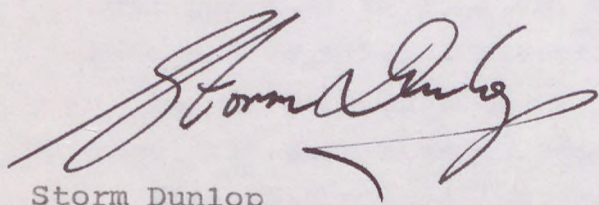
Dr L. Szeidl  
Konkoly Observatory  
1525 Budapest  
Hungary

Dear Dr Szeidl,

As you will know I am closely involved with amateur variable star work in this country, and I should like to receive a copy of the IBVS, to keep abreast with developments. Can you please tell me how I may subscribe. If you would prefer an exchange of books or other publications, rather than a direct subscription, please let me know.

With best wishes for the New Year,

Yours sincerely,

A handwritten signature in dark ink, appearing to read 'Storm Dunlop', with a large, sweeping flourish at the end.

Storm Dunlop



February 12, 1982

140 Stocks Lane

East Wittering

nr Chichester

West Sussex

PO20 8NT

1982 January 25

Dr. S.R. Dunlop, F.R.A.S.

Faculty

Magdalenham Bay

0243 670354

Dr. S.R. Dunlop, F.R.A.S.

140 Stocks Lane

East Wittering

Konkoly Observatory

1925 Budapest XII, Box 67

Hungary

Great Britain

Dear Dr Szeidl,

Thank you for your letter of January 6th and for arranging for the IBVS to be sent to me.

I see that although we have sent you reprints of individual papers, your observation has received the full Journal. This would be approximately the same value over a year as the IBVS. I am sending you a copy separately for you to examine.

We are very happy with your offer, which is very favourable for us. Our library is almost complete and the Journal of the BAA is one of the few publications which are missing. I do not understand how it has happened.

With very best wishes,  
Yours sincerely,

With very best wishes,  
Yours sincerely,

Storm Dunlop

Béla Szeidl



# THE BRITISH ASTRONOMICAL ASSOCIATION

---

S.R. DUNLOP, F.R.A.S.  
Secretary

Bracklesham Bay  
(0243) 670354

140 Stocks Lane

East Wittering

nr Chichester

West Sussex

PO20 8NT

1982 January 25

Dr Béla Szeidl  
Konkoly Observatory  
1525 Budapest XII, Box 67  
Hungary

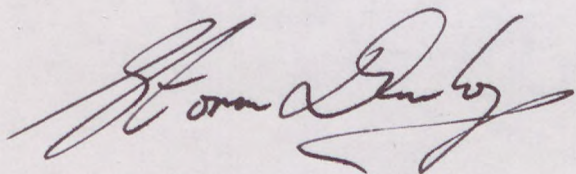
Dear Dr Szeidl,

Thank you for your letter of January 6th and for arranging for the IBVS to be sent to me.

I see that although we have sent you reprints of individual papers, your observatory has never received the full Journal. This would be approximately the same value over a year as the IBVS. I am sending you a copy separately for you to examine. If you are not happy with such an exchange, or would prefer some other journal, please let me know.

With very best wishes,

Yours sincerely,

A handwritten signature in dark ink, appearing to read 'Storm Dunlop', with a stylized, flowing script.

Storm Dunlop



March 17, 1982  
WARNER AND SWASEY OBSERVATORY  
1975 TAYLOR ROAD  
EAST CLEVELAND, OHIO 44112

Prof. William P. Bidelman  
Warner and Swasey Observatory  
1975 Taylor Road  
East Cleveland, Ohio 44112  
USA

Feb. 25, 1982

Dr. B. Szeidl  
Konkoly Observatory  
Budapest, Hungary

Dear Dr. Szeidl:

Dear Prof Bidelman,

Enclosed is a paper, hopefully ready for photographic reproduction, on the variables in the northern luminous stars catalogues. I think this will be the last paper of this sort! I hope that you will accept it for publication in your Information Bulletin.

Thank you very much for your words of encouragement.

Sometimes I really need them while editing the IBVS.

Your note on CX Aur was published in IBVS No. 2081 and it was distributed with the latest bunch around the end of February.

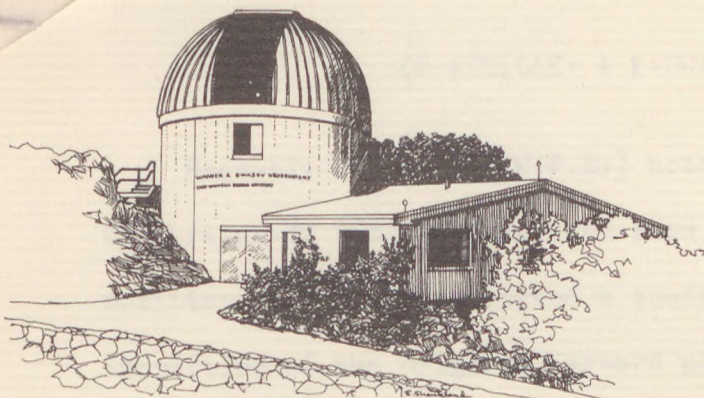
Drs. Goossens and Waelkens have not yet communicated with me about the error in the coordinates of their stars you mentioned. Evidently they have not been aware of their mistake, neither was I. May I ask you to draw their attention to that error? Of course, I am ready to put an erratum in IBVS at any time.

With my best wishes,

Yours sincerely

Béla Szeidl





Warner and Swasey Observatory  
Kitt Peak Station

## WARNER AND SWASEY OBSERVATORY

1975 TAYLOR ROAD  
EAST CLEVELAND, OHIO 44112

Feb. 25, 1982

Dr. B. Szeidl  
Konkoly Observatory  
Budapest, Hungary

Dear Dr. Szeidl:

Enclosed is a paper, hopefully ready for photographic reproduction, on the variables in the northern luminous stars catalogues. I think this will be the last paper of this sort! I hope that you will accept it for publication in your Information Bulletin.

Incidentally, some time ago I sent in a small note on CX Aurigae, which hasn't come out yet. Perhaps it is in the works, but if by any chance you didn't receive it I am enclosing a copy of what I had sent. Ms Belserene spends her summers at Harvard College Observatory, her summers on Nantucket Island--lucky person.

In checking through the latest Russian naming list I found that there had been an error (which they had already caught, apparently) in the paper by Goossens and Waelkens in IBVS 1828. The coordinates for all of stars in their Table I except for no. 4<sup>7</sup> are all for 1875, not 1900. At least this is what I think. Maybe they should publish an erratum if this is so. Have they communicated with you about this? Maybe they don't know!

I am continually impressed with how nice your little publication looks. These days the major journals are getting harder and harder to read. We sent something in for photographic reproduction to the Astr. J. recently which came out just barely readable. Somedays I long for the old-time use of real printing. The IBVS, on the other hand, always comes out very well. Congratulations!

Yours sincerely,

*William P. Bidelman*  
William P. Bidelman



# CX AURIGAE: A K-DWARF VARIABLE

Recently one of us (W.P.B.) noted that the small-range variable CX Aurigae=HV 7667 (Shapley and Boyd 1937) agreed quite closely in position with a star assigned a spectral type of dK8 by Vyssotsky (1956). Inspection of the original Harvard plates ( by E.P.B.) and a red-sensitive Warner & Swasey Observatory objective-prism plate, which incidentally confirms the dwarf nature of the star, has shown that the objects are in fact identical. Further study, both spectroscopic and photometric, might prove of interest.

E.P.B. wishes to thank Harvard College Observatory for its hospitality.

EMILIA P. BELSERENE

Maria Mitchell Observatory  
Nantucket, Massachusetts 02554

WILLIAM P. BIDE LMAN

Warner & Swasey Observatory  
Case Western Reserve University  
Cleveland, Ohio 44106

## References:

- ← Shapley, H. and Boyd, C. D. 1937, Harvard Bull. No. 905, p. 7.
- ← Vyssotsky, A. N. 1956, Astron. J. 61, p. 201.





**Saint Mary's**  
University

Halifax, Nova Scotia  
Canada  
B3H 3C3  
Telephone: (902) 420-5828  
Facsimile: (902) 420-5141

Department of Astronomy and Physics



**David G. Turner, Editor**

*Journal of the Royal Astronomical Society of Canada*  
*Journal de la Société royale d'astronomie du Canada*

June 21, 1999.

Dr. Bela Szeidl  
Konkoly Observatory  
P.O. Box 67  
H-1525 Budapest  
Hungary

Dear Bela,

Thank you for agreeing to referee the paper entitled **Period Changes in the SX Phoenicis Stars I. BL Cam and DY Peg** by Mel Blake, H. Khosrovani, and P. Delanay. Your comments on the manuscript will be greatly appreciated. As a guideline I would suggest that your report address the following points, where appropriate:

1. Does the article contain new results or ideas that would warrant its publication in the *Journal*?
2. Does the paper contain sufficient introduction or background to be understood by readers who are not specialists in the field?
3. Do you have any comments or criticisms that may be helpful to the author in improving the scientific content of the manuscript? Could the presentation be improved in any manner?

Your report may be returned to me either by electronic mail, FAX, or regular mail. In any case anonymity will be preserved unless you specifically wish to be made known to the author. There is no need to return the manuscript.

Thank you for your willingness to help the *Journal of the Royal Astronomical Society of Canada* in its dissemination of results in the field of astronomy. Your co-operation is very much appreciated.

With kind regards,

*David G. Turner*

David G. Turner  
Department of Astronomy and Physics  
Saint Mary's University  
Email: dturner@ap.stmarys.ca  
FAX: 902-420-5141