

APPENDIX I

ONE HUNDRED IMPORTANT VARIABLE STARS

In Appendix B to the 1925 report of Commission 27, Prof. A. A. Nijland presented two lists of variable stars which he, in consultation with other members of the Commission, considered to need special attention. List I contained those stars for which it was felt that the greatest continuity in observation was required, not only to determine positively the true character of the variation, but also to study the peculiarities of light-curve, period, and amplitude of variation. The majority of these were stars of the types represented by such stars as U Geminorum, R Coronae Borealis, and RV Tauri. This list contained 69 variable stars.

List II contained those stars which, for one reason or another, required not so much continuity over a long period of time as sufficient additional observational material to settle certain doubtful points. This list contained approximately 300 stars.

The greatest obstacle to observation proved to be the lack of suitable charts and sequences for such a large programme of stars.

New lists, prepared at the request of the Union in 1928, containing practically all the stars of the report of 1925, together with many additions, and now known as lists A and B, together with a third list C, of so-called neglected stars, were published by Nijland (*B.A.N.* 5, 243-56 (197)) in 1930. Lists A and B contained 476 and 320 stars respectively.

Again the lack of suitable observing charts and sequences proved the chief obstacle to effective co-operation.

The preparation of a further revision, delegated by the Union to Nijland in 1935, has been undertaken by the writer with the collaboration of other members of Commission 27.

It was felt by many that greater progress in co-operation could be made if the lists were not so numerous, nor so lengthy. Accordingly it has been decided to present a list of only 100 variable stars which are considered as of major importance, with the hope that these may receive the concerted action of variable star observers, both professional and amateur. It will be noted that many of the stars are those given by Nijland in his List I, or A. These still appear to demand continuous observation, particularly by visual observers. Many of the stars in Nijland's lists B and C can be studied as well, if not better, by a well formulated photographic attack on the problem, and it is hoped that before long such an attempt will be made.

It must not be felt that these 100 variable stars are all the important ones, but only those which to the compiler, at least, are of enough significance to be included in such a selected list.

Stars of the types of U Geminorum, Z Camelopardalis, and R Coronae Borealis certainly require constant attention, which can be obtained only by co-operative methods. The same is almost as true for stars of the RV Tauri type, sometimes referred to as related to the "Great Sequence", and those of the nova-like class. For this reason, preference has been given to stars of these five types.

The only column in the table which may require detailed description is that headed "Type". Only a few eclipsing variables (Ecl) are included in the list. These have very long periods and many striking characteristics and are peculiarly suited to co-operative study. "U Gem" denotes those variable stars which behave more

or less like their main prototype, or like SS Cygni. As is well known, this type of variable is usually faint at minimum for a comparatively long time, suddenly increases in brightness to the extent of four or five magnitudes, and then gradually decreases to normal minimum within a few days. Cycles for these stars vary widely in length. The "Z Cam" type stars differ only slightly from those of the U Geminorum type, with an amplitude of variation usually confined to two or three magnitudes, with cycles of shorter duration, and an interval of time, lasting several months, in which the star is nearly constant at a median magnitude between maximum and minimum values.

"R CrB" indicates those stars which are generally at nearly constant maximum for a year or more at a time, suddenly decrease in light by several magnitudes—usually five to seven—and then recover normal maximum brilliance in a prolonged and irregular manner. Those designated as "RV Tau" usually present maximum and minimum, with secondary maximum and minimum occurring a general tendency to have a secondary wave over the regular long period and varying heights and depths of maximum and minimum.

Those marked "D P", double period (sometimes with evidences of multiple period), are typified by such stars as V Hydrae, DF Cygni, and W Orionis. V Hydrae appears to present a short-term period, around 530 days, over a longer period of approximately 17 years. In the long period the maximum range may be five or more magnitudes, while the range in the 530-day period may not exceed one or two magnitudes. Stars designated "V Sge" are those which appear to be subject to marked and sudden variations of several magnitudes, of short or long duration. They are perhaps the remains of old novae.

"Nova-like" stars are represented by RS Ophiuchi and T Pyxidis, which have had two or more sudden outbursts to bright maxima, and may possibly have more. This type might also be called recurring novae. "Irr" denotes that there are peculiarities occurring in the star, either in range or period, or both, outside of the regular variations. Also included in "Irr" are stars which appear to be involved in nebulosity, as, for example, S Coronae Australis and T Orionis. "L P", of course, refers to variables of the long-period class.

References to identification of variables in different catalogues, places where charts and sequences may be found, and other needed data are given in notes following the table.

Deletions and additions in this list may well be made from time to time to bring it up to date.

LEON CAMPBELL

| Design. 1900 | Name | BD or CoD | Chart Position | | | | Magnitude | | Period days | Spectrum | Type |
|-----------------|----------------|-----------|----------------|----------|------|-------|-----------|-------------|----------------|----------|------|
| | | | h m s | | | ° | Max. | Min. | | | |
| | | | ° | ' | " | ' | | | | | |
| 004863 | BM Cas | +63 110 | 0 45 55 | +63 17.8 | 9.1 | 9.4 | 197.5 | — | Ecl? | | |
| 005060 | γ Cas | +59 144 | 0 47 59 | +59 55.7 | 1.6 | 2.3 | — | Boem τ | Irr | | |
| 005840 | RX And | — | 0 56 26 | +40 31.3 | 10.3 | 13.6 | — | — | Z Cam | | |
| 010884 | RU Cep | +84 19 | 1 2 54 | +84 21.8 | 8.3 | 9.3 | 117 | K8 | RV Tau | | |
| 020356 | UV Per | — | 2 0 13 | +56 29.8 | 12.4 | <16 | — | — | U Gem | | |
| 020657a | TZ Per | — | 2 3 40 | +57 41.9 | 12.4 | 15.3 | — | — | Z Cam | | |
| 033380 | SS Cep | +79 110 | 3 27 1 | +79 51.2 | 6.7 | 7.8 | 98 | Mb | RV Tau? | | |
| 040341 | SW Per | +41 824 | 4 0 53 | +41 49.5 | 8.2 | 9.8 | 86 | M4 | RV Tau? | | |
| 041619 | T Tau | +19 706 | 4 13 32 | +19 11.2 | 9.0 | 12.8 | — | Gpe | Irr | | |
| 042625 | UZ Tau | — | 4 23 53 | +25 33.9 | 9.2 | <13 | — | — | Irr | | |
| 043562 | R Dor | -62 175 | 4 35 19 | -62 19.5 | 4.5 | 7.0 | 335 | M7 | LP? | | |
| 044025 | RV Tau | +25 732 | 4 38 12 | +25 54.7 | 9.4 | 12.5 | 78.6 | K0 | RV Tau | | |
| 044349 | R Pic | -49 1439 | 4 42 49 | -49 28.3 | 6.5 | 10.0 | 173 | M2e | RV Tau | | |
| 045443 | ϵ Aur | +43 1166 | 4 51 34 | +43 36.2 | 3.1 | 3.8 | 9883 | F5p | Ecl | | |
| 045540 | ζ Aur | +40 1142 | 4 52 21 | +40 51.5 | 4.9 | 5.6 | 972.2 | K5+B9 | Ecl | | |
| 045903 | UX Ori | - 4 1029 | 4 57 17 | - 4 0.1 | 9.2 | 10.5 | — | — | V Sge? | | |
| 050001 | W Ori | + 0 939 | 4 57 55 | + 0 58.5 | 5.9 | 7.7 | 200 | N5 | V Hya | | |
| 050130 | RW Aur | — | 4 58 34 | +30 12.3 | 9.0 | 12.0 | — | G0 | V Sge? | | |
| 050840 | UZ Aur | +39 1225 | 5 5 5 | +39 57.5 | 7.7 | 9.3 | 40? | Ma | RV Tau | | |
| 052702 | RY Ori | — | 5 24 54 | - 2 56.4 | 9.0 | 11.4 | — | — | V Sge? | | |
| 053005a | T Ori | - 5 1329 | 5 28 44 | - 5 34.4 | 9.7 | 12.8 | — | — | Irr | | |
| 053326 | RR Tau | +26 887a | 5 30 30 | +26 17.2 | 10.1 | 14.0 | Irr | — | V Sge? | | |
| 054705 | CN Ori | — | 5 45 0 | - 5 27.8 | 11.0 | 14.7 | — | — | Z Cam? | | |
| 060222 | SS Gem | +22 1187 | 5 59 49 | +22 37.9 | 8.5 | 9.5 | 89.3 | G5v | RV Tau | | |
| 060547 | SS Aur | — | 6 2 24 | +47 46.2 | 10.5 | 14.7 | — | Pec | U Gem | | |
| 060727 | SU Gem | — | 6 4 53 | +27 44.2 | 10.3 | 12.2 | 49.8 | K6v | RV Tau? | | |
| 061015 | CZ Ori | — | 6 8 23 | +15 26.9 | 11.8 | 16.2 | — | — | U Gem | | |
| 062047 | AG Aur | — | 6 16 42 | +47 6.6 | 8.7 | 11.1 | 98.3 | cG5e | RV Tau? | | |
| 063308 | R Mon | + 8 1427 | 6 31 15 | + 8 51.6 | 10.0 | 13.0 | — | — | Irr | | |
| 065911 | Z CMa | -11 1760 | 6 56 56 | -11 20.3 | 8.4 | 11.5 | — | Bep | R CrB? | | |
| 072609 | U Mon | - 9 2085 | 7 23 52 | - 9 28.6 | 5.6 | 7.3 | 92.3 | G9v | RV Tau | | |
| 074922 | U Gem | +22 1807 | 7 46 30 | +22 22.7 | 8.8 | 14.0 | — | Pec | U Gem | | |
| 080362 | SU UMa | — | 7 59 41 | +63 1.8 | 11.1 | 14.5 | — | — | U Gem | | |
| 081041 | RX Pup | -41 3911 | 8 9 52 | -41 19.5 | 11.1 | 14.1 | — | Pec | R CrB? | | |
| 081473 | Z Cam | — | 8 8 53 | +73 33.8 | 9.6 | 13.3 | — | G? | Z Cam | | |
| 081615 | Z Cnc | +15 1808 | 8 14 16 | +15 27.1 | 8.5 | 9.8 | 351? | M5 | DP | | |
| 083679 | RS Cam | +79 286 | 8 30 26 | +79 29.0 | 8.1 | 9.5 | 166 | Mb | RV Tau | | |
| 084934 | V Pyx | -34 5361 | 8 48 26 | -34 20.6 | 8.4 | 11.0 | — | K2 | Irr | | |
| 090031 | T Pyx | — | 8 59 30 | -31 52.8 | 6.5 | 14.1 | — | Pec | Nova-like | | |
| 090431 | RS Cnc | +31 1946 | 9 1 52 | +31 33.0 | 5.3 | 6.8 | 258 | M6 | RV Tau | | |
| 092421 | TU Leo | — | 9 21 37 | +22 1.5 | 11.7 | 14.9 | — | — | U Gem? | | |
| 092856 | N Vel | -56 2822 | 9 27 26 | -56 29.0 | 3.4 | 4.2 | — | K5 | Irr | | |
| 094512 | X Leo | — | 9 43 14 | +12 32.8 | 12.0 | 15.1 | — | — | U Gem | | |
| 104620 | V Hya | -20 3283 | 10 44 35 | -20 28.9 | 6.0 | 12.5 | 532 | N6 | DP | | |
| 114003 | TW Vir | — | 11 37 57 | - 3 37.8 | 11.8 | <15.8 | — | — | U Gem | | |
| 115158 | Z UMa | +58 1346 | 11 48 55 | +58 40.7 | 6.7 | 9.3 | 198 | M6e | RV Tau | | |
| 121561 | RY UMa | +62 1224 | 12 13 29 | +62 6.9 | 7.2 | 8.3 | 311 | M4e | LP | | |
| 121543 | SX Cen | -48 7357 | 12 14 33 | -48 31.1 | 8.6 | 12.3 | 32.9 | F5 | DP | | |
| 122169 | SS Dra | +69 663 | 12 19 47 | +69 29.5 | 8.6 | 10.0 | 48.2 | Mb | RV Tau | | |
| 123753 | UW Cen | -53 4775 | 12 36 13 | -53 50.6 | 10.0 | <16.0 | — | K | R CrB | | |

| Design. 1900 | Name | BD or CoD ° | Chart Position | | Magnitude | | Period days | Spectrum | Type |
|-----------------|----------|----------------|----------------|----------|-----------|-------|----------------|----------|-----------|
| | | | h | m s | ° | ' | | | |
| 124318 | X Crv | -18 3471 | 12 41 5 | -18 43.1 | 9.5 | 10.5 | 127 | — | RV Tau |
| 131953 | DY Cen | — | 13 17 48 | -53 35.6 | 12.0 | <16.4 | — | — | R CrB |
| 133633 | T Cen | -32 9549 | 13 34 36 | -32 57.8 | 5.6 | 9.0 | 90.7 | M0e | LP |
| 153738 | RR CrB | +29 2901 | 15 36 8 | +39 1.5 | 7.2 | 8.4 | 113 | Mb | RV Tau |
| 154338 | Y CrB | +38 2698 | 15 41 26 | +38 46.4 | 9.4 | 11.0 | 300 | Mc | Irr? |
| 155947 | X Her | +47 2291 | 15 58 17 | +47 38.4 | 5.8 | 7.2 | 100 | Mc | DP |
| 160325 | SX Her | +25 3031 | 16 1 21 | +25 18.0 | 7.7 | 9.4 | 103 | gG7ev | LP? |
| 161559 | RT Nor | — | 16 13 42 | -59 3.0 | 11.3 | 16.3 | — | — | R CrB |
| 163238 | UU Her | +38 2803 | 16 30 53 | +38 15.9 | 8.3 | 9.3 | 90 | cF8 | DP |
| 163526 | AX Sco | -26 11477 | 16 34 6 | -26 51.7 | 8.8 | 9.8 | — | Mc | Irr |
| 164055 | S Dra | +55 1870 | 16 39 51 | +55 10.6 | 7.5 | 10.0 | 342 | Mc | RV Tau? |
| 164830 | CL Sco | — | 16 46 54 | -30 22.7 | 11.1 | 13.5 | — | — | U Gem? |
| 170132 | FQ Sco | — | 16 59 59 | -32 31.5 | 12.8 | <16.5 | — | — | U Gem |
| 171707 | UZ Oph | + 7 3348 | 17 14 57 | + 7 3.4 | 9.5 | 12.0 | 87.4 | G6v | RV Tau |
| 174035 | V381 Sco | — | 17 38 39 | -35 44.1 | 12.3 | 16.0 | 6545 | F5? | Ecl |
| 174406 | RS Oph | - 6 4461 | 17 42 25 | - 6 39.6 | 4.3 | 11.8 | — | Ocp | Nova-like |
| 174638 | V383 Sco | -38 12283 | 17 45 0 | -38 3.0 | 11.4 | 13.3 | 4900 | — | Ecl |
| 174933 | AI Sco | -33 12638 | 17 48 3 | -33 47.6 | 10.4 | 12.7 | 71.2 | K | DP |
| 180237 | WX CrA | -37 12227 | 18 0 19 | -37 20.4 | 11.0 | <16.5 | — | R5 | R CrB |
| 180415 | W Ser | -15 4842 | 18 1 31 | -15 34.2 | 8.9 | 10.0 | 14.15? | cG5e | Ecl? |
| 181066 | — Pav | — | 18 7 48 | -66 7.3 | 8.5 | 12.0 | 605 | P Cyg | See note |
| 181146 | RS Tel | -46 12279 | 18 9 30 | -46 35.6 | 9.3 | <13.0 | — | R8 | R CrB |
| 181631 | TU Lyr | — | 18 15 4 | +31 41.6 | 9.3 | 10.3 | 120? | M6e | RV Tau? |
| 182610 | VW Sct | — | 18 24 24 | -10 1.2 | 10.4 | <15.2 | 235 | — | Irr |
| 182621 | AC Her | +21 3459 | 18 24 8 | +21 45.8 | 7.2 | 9.0 | 75.2 | G6ev | RV Tau |
| 184007 | RZ Oph | + 7 3832 | 18 38 45 | + 7 4.3 | 9.8 | 10.6 | 261.9 | cG0 | Ecl |
| 184137 | AY Lyr | — | 18 39 29 | +37 51.6 | 12.5 | <14.8 | — | — | U Gem |
| 185323 | AR Sgr | -23 14922 | 18 52 7 | -23 52.5 | 9.5 | 11.5 | 88.9 | G | RV Tau |
| 185437a | S CrA | — | 18 52 44 | -37 7.3 | 11.5 | 12.8 | — | — | Irr |
| 185537a | R CrA | -37 13027 | 18 53 28 | -37 7.6 | 11.5 | 13.0 | — | Gpe | Irr |
| 190317 | SV Sge | — | 19 1 45 | +17 24.0 | 10.8 | 14.5 | — | — | R CrB |
| 192745 | AF Cyg | +45 2913 | 19 25 53 | +45 50.7 | 6.4 | 8.4 | 182.4 | M4 | RV Tau |
| 194111 | DY Aql | -11 5117 | 19 38 30 | -11 17.9 | 9.4 | 11.9 | 131 | — | RV Tau |
| 194542 | DF Cyg | — | 19 44 10 | +42 40.5 | 10.8 | 15.2 | 49.8 | cK0v | DP |
| 195032 | EY Cyg | — | 19 48 59 | +31 59.0 | 11.5 | 16.0 | — | — | U Gem? |
| 195209 | UU Aql | — | 19 49 52 | - 9 45.5 | 11.0 | 16.8 | — | — | U Gem |
| 200715a | S Aql | +15 4078 | 20 4 57 | +15 11.5 | 8.4 | 12.0 | 146.8 | — | LP |
| 200916 | R Sge | +16 4197 | 20 7 27 | +16 17.4 | 8.6 | 10.4 | 70.8 | cG7v | RV Tau |
| 201520 | V Sge | — | 20 13 50 | +20 38.9 | 9.5 | 13.2 | 530? | Ob | V Sge |
| 202574 | UU Dra | +74 861 | 20 26 21 | +74 46.5 | 8.7 | 10.2 | 120 | M6 | DP |
| 203226 | V Vul | +26 3937 | 20 30 22 | +26 6.2 | 8.2 | 9.9 | 76 | cG5pv | RV Tau |
| 204017 | U Del | +17 4401 | 20 38 50 | +17 33.9 | 5.6 | 7.5 | — | Mb | RV Tau |
| 213244 | W Cyg | +44 3877 | 21 30 32 | +44 43.6 | 5.1 | 7.6 | 131 | M4e | RV Tau? |
| 214058 | μ Cep | +58 2316 | 21 39 4 | +58 7.0 | 4.0 | 4.8 | 750 | M2 | DP |
| 215363 | VV Cep | +62 2007 | 21 52 34 | +62 56.2 | 4.9 | 5.7 | 7430 | M2ep | Ecl |
| 220912 | RU Peg | — | 22 6 57 | +11 59.1 | 9.0 | 13.1 | — | — | U Gem |
| 223257 | W Cep | +57 2568 | 22 30 56 | +57 40.6 | 6.9 | 8.6 | — | Pec | Irr |
| 225859 | UV Cas | — | 22 56 13 | +58 49.9 | 12.0 | 15.6 | — | — | R CrB? |
| 232848 | Z And | +48 4093 | 23 26 43 | +48 1.1 | 8.3 | 12.8 | — | O+M+P | Irr |
| 234956 | ρ Cas | +56 3111 | 23 47 10 | +56 41.6 | 4.4 | 5.1 | 1100 | cG5 | Irr |

Notes

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| 004863 | BM Cas | Seq <i>A.N.</i> 6100; phtn curve needed. |
| 005060 | γ Cas | Phtn curve needed. |
| 005840 | RX And | Chart AAVSO. |
| 010884 | RU Cep | Chart <i>Moscow Ann.</i> (2), 5. |
| 020356 | UV Per | Chart AAVSO; chart and seq <i>M.N.</i> 73, 75. |
| 020657a | TZ Per | Chart AAVSO and <i>A.N.</i> 4592, 4623; seq pv Harvard (App. II). |
| 033380 | SS Cep | Seq <i>Potsd. Publ.</i> 87, 7 and <i>A.N.</i> 5962; other period, 1000d. |
| 040341 | SW Per | Seq Enebo 8, 14; other period, 2000d. |
| 041619 | T Tau | Chart Hagen II and <i>M.R.A.S.</i> 58, 9; involved in nebula. |
| 042625 | UZ Tau | Nova-like? |
| 043562 | R Dor | Chart AAVSO; irregularities in curve. |
| 044025 | RV Tau | Chart <i>Rech. Astr. Utr.</i> 6 and <i>Moscow Ann.</i> (2), 5; other period, 1360d. |
| 044349 | R Pic | Chart <i>Cape Ann.</i> 9, 37 B; other period, 333d; marked irregularities in curve. |
| 045443 | ϵ Aur | Prim min due 1956. |
| 045540 | ζ Aur | Prim min in 1940. |
| 045903 | UX Ori | Involved in nebula. |
| 050001 | W Ori | Seq Hagen V; other period, 2000d. |
| 050130 | RW Aur | Chart <i>Moscow Ann.</i> (2), 5; seq Enebo 9, 7; seq pv Harvard (App. II). |
| 050840 | UZ Aur | Chart <i>Ass. tchèque</i> , 3; seq Enebo, 9, 15 and <i>A.N.</i> 5293; other period, 60d. |
| 052702 | RY Ori | Involved in nebula; chart <i>A.N.</i> 4085. |
| 053005a | T Ori | Chart AAVSO and Hagen I; involved in nebula. |
| 053326 | RR Tau | Chart AAVSO and Hagen VI. |
| 054705 | CN Ori | Chart <i>A.N.</i> 4085. |
| 060222 | SS Gem | Chart <i>H.B.</i> 883; seq. <i>H.B.</i> 846. |
| 060647 | SS Aur | Chart AAVSO. |
| 060727 | SU Gem | Chart <i>Sonn. Mitt.</i> 10, <i>A.N.</i> 5508 and <i>H.B.</i> 883 (also App. II); other |
| 061015 | CZ Ori | Chart <i>A.N.</i> 5571; seq pv Harvard (App. II). [period, 716d. |
| 062047 | AG Aur | Chart and seq <i>A.N.</i> 5506; seq pv Harvard (App. II). |
| 063308 | R Mon | Chart AAVSO and Hagen VI; involved in nebula. |
| 065911 | Z CMa | Seq. <i>Erg. A.N.</i> 8, C72. |
| 072609 | U Mon | Seq <i>B.A.F.</i> 2, 95. |
| 074922 | U Gem | Chart AAVSO and Hagen II. |
| 080362 | SU UMa | AAVSO chart in preparation; seq pv Harvard (App. II). |
| 081041 | RX Pup | Light curve needed. |
| 081473 | Z Cam | Chart AAVSO. |
| 081615 | Z Cnc | Seq <i>A.N.</i> 5776; several values of period assigned. |
| 083679 | RS Cam | Chart <i>Moscow Ann.</i> (2), 5; seq <i>M.N.</i> 76, 613. |
| 084934 | V Pyx | |
| 090031 | T Pyx | AAVSO chart in preparation; three observed max. |
| 090431 | RS Cnc | Seq <i>A.N.</i> 5253 and <i>B.A.F.</i> 2, 96. |
| 092421 | TU Leo | Chart <i>N.N.V.S.</i> 4, 279. |
| 092856 | N Vel | Chart Hagen V. |
| 094512 | X Leo | Chart AAVSO. |
| 104620 | V Hya | Chart AAVSO and Hagen IV; other period, 6200d. |
| 114003 | TW Vir | AAVSO chart in preparation. |
| 115158 | Z UMa | Chart AAVSO. |
| 121561 | RY UMa | Seq pv Harvard (App. II); other period, 41d? |
| 121548 | SX Cen | Chart and seq <i>Lembang Ann.</i> 2, D53; seq <i>H.B.</i> 893. |
| 122169 | SS Dra | Chart AAVSO |
| 123753 | UW Cen | |

Notes

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| 124318 | X Crv | |
| 131953 | DY Cen | AAVSO chart in preparation. |
| 133633 | T Cen | Chart AAVSO and <i>Cape Ann.</i> 9, 94B; peculiarities in curve. |
| 153738 | RR CrB | Chart <i>Ass. tchèque</i> , 3; seq <i>A.N.</i> 5797; other periods? |
| 154338 | Y CrB | Seq <i>Vassar Publ.</i> 3, 129. |
| 155947 | X Her | Chart Hagen V; other period, 900d? |
| 160325 | SX Her | Chart AAVSO and Hagen VI [RU Her]; irregularities in curve. |
| 161559 | RT Nor | CPD -59° 6719. |
| 163238 | UU Her | Seq <i>H.B.</i> 857 and Pracka I, Heft 3, 17; additional period, 72-6d. |
| 163526 | AX Sco | |
| 164055 | S Dra | Chart Hagen IV. |
| 164830 | CL Sco | <i>H.B.</i> 852; AAVSO chart in preparation. |
| 170132 | FQ Sco | AAVSO chart in preparation. |
| 171707 | UZ Oph | Chart and seq <i>A.N.</i> 5175; seq <i>A.N.</i> 5788. |
| 174035 | V381 Sco | <i>H.B.</i> 902; min due 1944. |
| 174406 | RS Oph | Chart AAVSO; oscillations at min. |
| 174638 | V383 Sco | <i>H.B.</i> 902; min due 1941. |
| 174933 | AI Sco | Other period, 980d. |
| 180237 | WX CrA | |
| 180475 | W Ser | Variation in light curve and spectrum; period perhaps to be doubled. |
| 181066 | — Pav | CPD -66° 3307; seq <i>H.A.</i> 105, 492, curve of eclipse type but with marked [variations in max and range. |
| 181146 | RS Tel | |
| 181631 | TU Lyr | Chart Hagen VIII. |
| 182610 | VW Sct | Like R Cen?; subject to change in period; AAVSO chart in preparation. |
| 182621 | AC Her | Chart <i>Ass. tchèque</i> , 3, 4; seq <i>H.B.</i> 845. |
| 184007 | RZ Oph | Min due July 1938 and April 1939. |
| 184137 | AY Lyr | Chart <i>Sonn. Mitt.</i> 16; seq pv Harvard (App. II). |
| 185323 | AR Sgr | |
| 185437a | S CrA | Chart AAVSO and <i>Cape Ann.</i> 9, 133B; involved in nebula. |
| 185537a | R CrA | Chart AAVSO and <i>Cape Ann.</i> 9, 133B; involved in nebula. |
| 190317 | SV Sge | Chart <i>A.N.</i> 5633. |
| 192745 | AF Cyg | Seq <i>A.N.</i> 5847. |
| 194111 | DY Aql | Seq <i>N.N.V.S.</i> 3, 113 [called DV Aql]. |
| 194542 | DF.Cyg | Chart and seq <i>H.A.</i> 105, 521 (also App. II) and <i>B.A.F.</i> 1, 127; other [period, 790d. |
| 195032 | EY Cyg | Chart <i>A.N.</i> 5571. |
| 195209 | UU Aql | Seq <i>H.B.</i> 890. |
| 200715a | S Aql | Chart AAVSO and Hagen IV; irregularities in curve. |
| 200916 | R Sge | Chart AAVSO and Hagen IV. |
| 201520 | V Sge | Chart AAVSO; old nova? |
| 202574 | UU Dra | Other period, 960d. |
| 203226 | V Vul | Chart Hagen IV. |
| 204017 | U Del | Chart Hagen IV. |
| 213244 | W Cyg | Chart Hagen V. |
| 214058 | μ Cep | Chart Hagen V; long term period 4675 d. |
| 215363 | VV Cep | |
| 220912 | RU Peg | Var has close comp; chart <i>A.N.</i> 4062; seq pv Harvard (App. II). |
| 223257 | W Cep | Chart <i>P.A.</i> 4, 423; irregularities in light curve. |
| 225859 | UV Cas | Chart and seq <i>A.N.</i> 4697. |
| 232848 | Z And | Chart AAVSO; old nova? |
| 234956 | ρ Cas | |