

# STRASBOURG OBSERVATORY INSTITUTIONAL PUBLICATIONS

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**Abstract.** This chapter details the publications produced by Strasbourg Astronomical Observatory as an institution, during both German and French times, up to about Year 2000.

## 1. Introduction

The institutional publications of Strasbourg Astronomical Observatory are detailed below for both the German and French periods<sup>1</sup>. Those publications have appeared under different series as explained hereafter.

Except for a few cases pointed out below, the papers published by individual scientists from the Observatory in the professional journals have not been included in this review. They should be looked for in the different volumes of the *Astronomischer Jahressbericht*<sup>2</sup> and of its continuation as *Astronomy and Astrophysics Abstracts* for instance, or in a specific database such as the one maintained by the *Astrophysics Data System (ADS)*<sup>3</sup>.

Unless otherwise stated, all publications are under the current A4 format or a similar one (such as the quarto format for the earlier publications).

## 2. Annals of Strasbourg Observatory

This section details the first institutional publications of the Observatory published under the titles *Annalen der Kaiserlichen Universitäts-*

<sup>1</sup>See e.g. the introductory chapter by Heck 2005a in this volume.

<sup>2</sup>Actually conceived in Strasbourg – see Duerbeck 2005b in this volume.

<sup>3</sup><http://adsabs.harvard.edu/>

*Sternwarte in Strassburg* for the first German period and *Annales de l'Observatoire de Strasbourg* for the subsequent French periods.

## 2.1. ANNALEN DER KAISERLICHEN UNIVERSITÄTS-STERNWARTE IN STRASSBURG

The successive volumes are detailed hereafter.

### 2.1.1. *Erster Band*

Here are the contents of the first volume, published in 1896 by the Director E. Becker and printed in Karlsruhe by the G. Braun'sche Hofbuchhandlung:

- Der Bau und die Einrichtung der Sternwarte (pp. III-X)
- Die Lage der neuen Sternwarte (pp. X-XI)
- Der Repsold'sche Meridiankreis (pp. XII-XVII)
- Beobachtungen am Repsold'schen Meridiankreis 1882 März 15 – 1886 Sept. 9. Untersuchung des Instruments und seiner Aufstellung (pp. XXI-XCVI)
- Erläuterungen zu den Beobachtungen (pp. XCIVII-XCVIII)
- Beobachtungen (pp. 1-319)
- Verbesserte Ablesungen der meteorologischen Instrumente (pp. 321-336)
- Temperatur in dem Fundamentenraum des Meridianinstruments (pp. 337-338)
- Beiträge zu dem Klima von Strassburg nach den meteorologischen Beobachtungen von 1873-1879 (pp. 338-340)

### 2.1.2. *Zweiter Band*

Here are the contents of the second volume, published in 1899 by the Director E. Becker and printed in Karlsruhe by the G. Braun'sche Hofbuchhandlung:

- Beobachtungen am Repsold'schen Meridiankreis 1886 Sept. – 1888 April (pp. I-XX)
- Beobachtungen (pp. 1-154)
- Ableitung der definitiven Oerter der in den Jahren 1882-1888 beobachteten Fixsterne (pp. (I)-(XXV))
- Einzel-Resultate der Sternbeobachtungen 1882-1883 (pp. (1)-(6))
- Einzel-Resultate der Sternbeobachtungen 1884-1888 Abth. A (pp. (7)-(113))
- Einzel-Resultate der Sternbeobachtungen 1884-1888 Abth. B (pp. (115)-(145))
- I. Katalog von 254 Sternen für das Aequinoctium 1885 nach Beobachtungen in den Jahren 1882-1883 (pp. (147)-(153))

- II. Katalog von 858 Sternen für das Aequinoctium 1885 nach Beobachtungen in den Jahren 1884-1888 (pp. (155)-(174))
- III. Katalog von Correctionen von 368 Fundamentalsternen nach Beobachtungen in den Jahren 1884-1888 (pp. (175)-(184))
- Annex A:  
Resultate aus den an der Kais. Univ.-Sternwarte zu Strassburg angestellten Heliometer- und Refractormessungen der partiellen Sonnenfinsternisse 1890 Juni 16-17, 1891 Juni 6 und 1893 April 16 und aus allen bekannt gewordenen Contactbeobachtungen, abgeleitet von Dr. H. Kobold, Observator der Sternwarte (pp. A1-A39)
- Annex B:  
Ueber die Bestimmung der Form der Zapfen eines Durchgangsinstruments mittelst eines Axencollimators mit Anwendung auf den Repsold'schen Meridiankreis der Kais. Univ.-Sternwarte in Strassburg von Bernhard Wanach, Assistent der Sternwarte (pp. B1-B16)
- Annex C: Tafeln zur Berechnung der Praecession (p. I)  
Einleitung (p. III)  
Tafel I zur Berechnung der jährlichen Praecession (pp. C1-C73)  
Tafel II zur Berechnung der Variatio saecularis (pp. C75-C87)  
Tafel III zur Berechnung des dritten Gliedes der Praecession (pp. C89-C91)

### 2.1.3. *Dritter Band*

Here are the contents of the third volume, published in 1909 by the Director E. Becker and printed in Karlsruhe by the G. Braun'sche Hofbuchdruckerei:

- Beobachtungen von Nebelflecken, ausgeführt in den Jahren 1875-1880 am 6-zölligen Refraktor der provisorischen Sternwarte von A. Winnecke, bearbeitet von E. Becker (pp. VII-XIX, 1-209)
- Beobachtungen von Nebelflecken, ausgeführt in den Jahren 1880-1902 am 18-zölligen Refraktor der neuen Sternwarte von H. Kobold, A. Winnecke und W. Schur, bearbeitet von C.W. Wirtz (pp. (1)-(145))
  - I. Teil 1880 bis 1896 Oktober im wesentlichen beobachtet von H. Kobold (pp. (1)-(72))
  - II. Teil 1896 November bis 1902 März beobachtet von H. Kobold (pp. (75)-(145))
- Trabantenbeobachtungen in den Jahren 1881-1896, im wesentlichen ausgeführt von H. Kobold, bearbeitet von C.W. Wirtz (pp. [1]-[8])
- Über die Schraubenfehler der beiden Mikrometer des großen Refraktors (pp. [9]-[11])
- Annex A:  
Resultate der Beobachtung der Sonnenfinsternis 1900 Mai 28 nebst

einer Bestimmung der Reduktionselemente für das Heliometer von H. Kobold (pp. A1-A36)

– Annex B:

Resultate der Beobachtungen der Mondfinsternisse 1888 Januar 28 und 1892 Mai 11 von H. Kobold (pp. B1-B11)

– Annex C:

Resultate aus Beobachtungen während der Mondfinsternis 1903 April 11 von C.W. Wirtz (pp. C1-C18)

#### *2.1.4. Vierter Band – Erster Teil*

Here are the contents of the first part of the fourth volume, published in 1911 by the Director J. Bauschinger and printed in Karlsruhe by the G. Braun'sche Hofbuchdruckerei:

- Beobachtungen von Nebelflecken am 49cm Refraktor III. Teil 1902 April bis 1910 März von C. Wirtz (pp. 1-78)
- Generalkatalog der am großen Refraktor in Straßburg beobachteten Nebelflecke 1881-1910 (pp. 79-112)
- Vergleichung des Generalkataloges mit anderen Nebelverzeichnissen von C. Wirtz (pp. 113-176)

#### *2.1.5. Vierter Band – Zweiter Teil*

Here are the contents of the second part of the fourth volume, published in 1912 by the Director J. Bauschinger and printed in Karlsruhe by the G. Braun'sche Hofbuchdruckerei:

- Beobachtungen von Doppel- und Nachbarsternen am 49cm-Refraktor I. Teil 1902-1910 von Carl Wirtz (pp. 177-242)
- Beobachtungen der großen Planeten von Carl Wirtz (pp. 243-286)
- Beobachtungen von Satelliten von Carl Wirtz (pp. 287-303)
- Zusätze zu den Arbeiten über Nebelflecke im ersten Teil nebst einem "Versuch zur kosmischen Stellung der Nebel" von Carl Wirtz (pp. 304-316)
- Vergleichung des AG Kataloges Straßburg mit anderen Sternkatalogen von Berthold Cohn (pp. 317-431)

#### *2.1.6. Fünfter Band*

Here are the contents of the fifth volume, published in 1923 by J. Bauschinger and printed in Karlsruhe by the G. Braun'sche Hofbuchdruckerei:

- Beobachtungen am Repsold'schen Meridiankreis 1888 Mai 23 – 1893 Februar 8

- Ableitung der definitiven Örter der in den Jahren 1888-1893 am Repsold'schen Meridiankreis beobachteten Fixsterne (pp. A1-A40)
- Katalog der Korrektionen von 364 Fundamentalsternen (pp. A23-A28)
- Katalog von 760 Sternen für das Äquinoktium 1890.0 (pp. A29-A40)
- Beobachtungen von Doppelsternen am 49-cm-Refraktor. II. Teil 1910-1914 (pp. B1-B79)

The following complement to the fifth volume has been published in 1926 by J. Bauschinger “in the name of the Strasbourg scientific society in Heidelberg”. The printer was G. Braun GmbH vorm. G. Braun’sche Hofbuchdruckerei.

- Beobachtungen der Sonne, des Mondes und der großen Planeten am Repsold'schen Meridiankreis der Straßburger Sternwarte in den Jahren 1882-1893 (pp. C1-C52)

It should be noticed that these issues were published well after World War I (WWI), but are dealing with observations carried out before the conflict. Bauschinger revised them before final publication. Note also that the first volume of the French *Annales* described herafter contains a contribution from a German employee of Polish origin (Cohn<sup>4</sup>) who also authored a section in the fourth volume of the German *Annalen*.

## 2.2. ANNALES DE L'OBSERVATOIRE DE STRASBOURG

The following six volumes constitute what is called the 2nd Series of Strasbourg Observatory Annals. Thus a volume of Annals in French was published in Paris the same year (1926) that another one in German was printed in Heidelberg (see above).

### 2.2.1. Tome I

The first volume was published in 1926 by the then Director E. Esclangon. It were printed in Paris by Gauthier-Villars, printers-publishers for the Bureau des Longitudes. Note that authors were not always stated.

- Première partie:
  - La nouvelle organisation de l'observatoire (pp. 1-58)
  - Modifications apportées à l'outillage scientifique (pp. 59-100)
- Deuxième partie: Mémoires
  - Le rayon vert – Étude spectroscopique et théorie, par A. Danjon et G. Rougier (pp. 105-118)
  - La dispersion atmosphérique et la scintillation, par A. Danjon (pp.

<sup>4</sup>See Duerbeck (2005a) for more on Berthold (Baruch) Cohn, one of the longest employees at Strasbourg Observatory (1900-1930). According to the peace treaty of 1918, since he came from (then) Poland, he was not expulsed (Esclangon 1926).

119-128)

Les étoiles géantes. Constitution physique et évolution, par A. Véronnet (pp. 129-174)

Étude de l'objectif du grand réfracteur, par A. Danjon (pp. 175-188)

Les mouvements propres des étoiles du catalogue AG de Strasbourg, par M. Cohn<sup>5</sup> (pp. 189-291)

– Troisième partie: Observations

Indications générales (p. 297)

Tour de vis des micromètres des équatoriaux (p. 298)

Mesures d'étoiles doubles, par G. Rougier (pp. 299-304)

Observations de comètes

Diamètre apparent de Vénus (pp. 307-308)

Observations des anneaux de Saturne en 1921 (pp. 309-312)

Occultations d'étoiles par la Lune (p. 313)

Occultation d'étoile par Jupiter (p. 314)

Observations des satellites de Jupiter (p. 315)

Observations d'éclipses du Soleil (pp. 316-317)

Observations photométriques de Nova Cygni 1920, par A. Danjon (pp. 318-320)

Mesures micrométriques et photométriques de Cygni 1920, par G. Rougier (pp. 321-326)

Détermination de l'intensité de la pesanteur à l'Observatoire de Strasbourg, par E. Esclangon (pp. 327-372)

Sur la précision des observations méridiennes et des déterminations de longitude, par E. Esclangon (pp. 372-404)

### 2.2.2. Tome II

The second volume gathers together three sections published respectively in 1928, 1932 and 1933. E. Esclangon was still Director when the first section appeared, but A. Danjon had succeeded him for the two subsequent ones. Therefore the second volume has to be considered under their joint editorship. The printer was Henri Tessier in Orléans.

– Fascicule 1 (1928):

Recherches de photométrie astronomique, par A. Danjon

Principes et instruments (pp. 1-89)

Observations et discussion des résultats (pp. 93-185)

– Fascicule 2 (1932):

Observations d'Eros (1930-1931), par MM. Danjon, Rougier, Lallemand, Tremblot, Huss, Grouitch (pp. 187-200)

<sup>5</sup>Cohn also contributed to the fourth volume of the German *Annalen*. See Footnote 4.

- Fascicule 3 (1933):  
Photométrie photoélectrique globale de la Lune, par G. Rougier (pp. 205-339)

#### 2.2.3. *Tome III*

The third volume gathers together five sections published over the years 1933 to 1937 with A. Danjon as Director of the Observatory. Only the first section is explicitly dated though. The printer was again Henri Tessier in Orléans.

- Fascicule 1 (1933):  
Réduction et discussion des occultations d'étoiles par la Lune, par V. Grouitch (pp. 1-111)
- Fascicule 2 (1936):  
L'objectif du grand réfracteur de Strasbourg, par A. Couder (pp. 1-134)  
Note sur le réglage du compensateur de trempe de M. A. Couder, par A. Danjon (pp. 135-138)
- Fascicule 3 (1936):  
Nouvelles recherches sur la photométrie de la lumière cendrée et l'albédo de la terre, par A. Danjon (pp. 139-180)
- Fascicule 4 (1936):  
Description et théorie d'un micromètre interférentiel à demi-onde, par A. Danjon (pp. 181-255)
- Fascicule 5 (1937):  
Comparaison photométrique de la Lune et du Soleil.  
Albédo photoélectrique de la Lune, par G. Rougier (pp. 257-282)

#### 2.2.4. *Tome IV*

The fourth volume gathers together three sections published respectively in 1950, 1956 and 1959 under the editorship of P. Lacroute who had become the first post-WWII Director of the Observatory. The printer was J. & R. Sennac in Paris.

- Fascicule 1 (1950):  
Catalogue de 2251 étoiles faibles réduites à 1930.0 (pp. 5-62)
- Fascicule 2 (1956):  
Étude de quelques propriétés du cercle méridien, par P. Muller, P. Lacroute, A. Schmitt, J. Huss, P. Bru (pp. 5-15)  
Nouveau procédé de lecture de l'appoint en déclinaison dans les observations méridiennes, par P. Bacchus (pp. 17-23)  
Observation du Soleil en ascension droite, par P. Bacchus (pp. 24-27)

– Fascicule 3 (1959):

Méthode photoélectrique d'observation des étoiles doubles, par P. Bacchus (pp. 5-67)

That fourth volume has been published after the fifth one hereafter, but it has been given that rank in order to respect the chronology of the observations carried out. As reminded by Lacroûte in the first section, some data go back to 1928 and mainly to the range 1931-1934. They could not be published during WWII. As it happened earlier with Bauschinger and pre-WWI observations, the publication took place much after the conflict, after corrections and new calculations.

Section 3 though is dealing with research carried out entirely after WWII and could have been included in the fifth volume after its fifth section that covers similar matters. It may have been included in the fourth volume just to give it more substance.

#### 2.2.5. Tome V

The fifth volume gathers together five sections published over the year 1948 to 1956 with P. Lacroûte as Director of the Observatory. The printer was Abbadia Observatory in Hendaye.

– Fascicule 1 (1948):

Mesures photométriques d'étoiles doubles, par P. Muller (pp. 3-19)

– Fascicule 2 (1949):

Mesures photométriques d'étoiles doubles serrées, par P. Muller (pp. 3-23)

– Fascicule 3 (1951):

Mesures photométriques d'étoiles doubles, par P. Muller (pp. 3-9)

Magnitudes photométriques des composantes de 515 étoiles doubles ou multiples, par P. Muller (pp. 10-19)

– Fascicule 4 (1952):

Colorimétrie de 51 étoiles doubles, par P. Muller (pp. 3-32)

– Fascicule 5 (1956):

Table pour le calcul des éléments des orbites des étoiles doubles visuelles, par A. Danjon et P. Muller (pp. 3-28)

Orbites des étoiles doubles ADS 3082, 6315, 9441, 11623, 13744, 15992, par P. Muller (pp. 29-36)

Observations photoélectriques d'occultations, par P. Bacchus (pp. 37-43)

Le nouvel équatorial de 210mm, par P. Lacroûte (pp. 44-45)

Le micromètre à double image de l'équatorial de 210mm, par P. Bru (p. 46)

Observations d'étoiles doubles, par P. Bru et J. Huss (pp. 47-55)

### 2.2.6. *Tome VI*

This sixth and last volume of the French annals of Strasbourg Observatory is made of two sections published respectively in 1961 and 1964, under the directorship of P. Lacroute. The printer was again Abbadia Observatory in Hendaye.

- Fascicule 1 (1961):
  - Le spectre de Nova Herculis 1960, par A. Florsch (pp. 5-16)
  - Mesures d'étoiles doubles, par P. Bru (pp. 17-25)
- Fascicule 2 (1964):
  - Étude des erreurs systématiques à craindre dans l'établissement d'un catalogue méridien relatif, par P. Lacroute (pp. 33-37)
  - Amélioration dans les réductions d'un catalogue méridien. Méthode de "synthèse", par P. Lacroute (pp. 29-47)
  - Réduction des observations méridiennes de Strasbourg avec la méthode de "synthèse", par P. Bacchus et P. Lacroute (pp. 49-74)
  - La comparaison des catalogues, par P. Bacchus (pp. 75-83)
  - Étude externe des observations méridiennes de Strasbourg, par P. Lacroute (pp. 85-95)
  - Amélioration des constantes de clichés en utilisant leur recouvrement, par P. Lacroute (pp. 97-111)
  - Étude sur l'établissement d'un catalogue photographique, par P. Lacroute (pp. 113-127)
  - Les observations photographiques des satellites artificiels de la Terre à l'Observatoire de Strasbourg, par A. Schmitt (pp. 129-141)

## 3. Publications of Strasbourg Observatory

As it will be seen in the following, the generic title *Publications de l'Observatoire de Strasbourg* encompassed over the years quite a varying material: from reprints of papers in professional journals and communications at conferences to catalogs and full proceedings of in-house scientific meetings.

### 3.1. COLLECTIONS OF PAPERS

In spite of the fact that a number of the following papers have been published in professional journals, they are mentioned here for the record as they made up volumes of the series. Gathering together reprints in institutional collections has been fashionable for a while as this also contributed to exchanges. Librarians however quickly realized that this was increasingly duplicating subscriptions to journals (and eating up shelf space). The practice virtually disappeared in the early 1980s.

### 3.1.1. Volume 1

- Fascicule 1

Lacroute, P. 1968, Études sur l'emploi de recouvrements de plaques pour l'établissement de catalogues photographiques, *Highlights in Astronomy*, D. Reidel Publ. Co., Dordrecht, 319-337.

- Fascicule 2

Valbousquet, A. 1968, Mesures d'étoiles doubles à Strasbourg, *J. Observateurs* **51**, 21-26.

- Fascicule 3

Lacroute, P. 1969, Étude des solutions optima pour des résolutions de clichés séparés, 87ème Congrès de l'Association Française pour l'Avancement des Sciences, Nancy, 11-23.

- Fascicule 4

Schmitt, A. 1969, Méthode de réduction de la position d'un astre errant par rattachement à  $n$  étoiles de référence dont le centre de gravité est choisi voisin de l'astre, 87ème Congrès de l'Association Française pour l'Avancement des Sciences, Nancy, 33-38.

- Fascicule 5

Schmitt, A. 1969, Discussion provisoire des résultats obtenus à l'Observatoire de Strasbourg dans l'observation des satellites géodésiques Echo I, Echo II et Pageos du Programme Géodésique Européen et Mondial, 87ème Congrès de l'Association Française pour l'Avancement des Sciences, Nancy, 28-32.

- Fascicule 6

Schmitt, A. 1970, Précision des positions de satellites réduites à l'Observatoire de Strasbourg dans le Programme Géodésique Ouest Européen, Obs. Astron. Strasbourg, 1-7.

### 3.1.2. Volume 2

- Fascicule 1

Florsch, A. 1972, Étude du petit nuage de Magellan par la technique du prisme-objectif de Fehrenbach, PhD Thesis, Obs. Astron. Strasbourg, 129 pp.

- Fascicule 2

Schmitt, A. 1972, Formulae of Photographic Reduction and the Astronomical Refraction, Obs. Astron. Strasbourg, 1972, 2 pp.

- Fascicule 3

Équipe Satellite et Géodésie 1972, Programme géodésique de l'Europe de l'Ouest. Station Strasbourg 05002. Tableau des erreurs moyennes quadratiques internes, Obs. Astron. Strasbourg, 2 pp.

- Fascicule 4

Acker, A. 1971, Orbital Elements of the Spectroscopic Binaries HD

- 24733 and HD 861, *Astron. Astrophys.* **14**, 189-197.  
 – Fascicule 5  
 Schmitt, A. 1972, Principle of Satellite Position Determination by Look Angles from Two Stations Using the Great Circle of Simultaneousness and Determination of the Relative Systematic Error in Time Between the Two Stations, Obs. Astron. Strasbourg, 3 pp.

### 3.1.3. Volume 3

- Fascicule 1  
 Valbousquet, A. 1974, Étude de l'incertitude à craindre dans la résolution de catalogues photographiques utilisant le recouvrement de clichés, PhD Thesis, Obs. Astron. Strasbourg, 99 pp.  
 – Fascicule 2  
 Lacroûte, P. & Valbousquet, A. 1974, Nouvelle résolution de l'AGK2-AGK3, *Astron. Astrophys. Suppl.* **16**, 445-510.

### 3.1.4. Volume 4

- Fascicule 1  
 Acker, A. 1976, Cinématique, âge et binarité des noyaux de nébuleuses planétaires, PhD Thesis, Obs. Astron. Strasbourg, 172 pp.

### 3.1.5. Volume 5

- Unpublished.

### 3.1.6. Volume 6

- Jaschek, M. & Jaschek, C. (Eds.) 1979, Réunion sur les étoiles Be, Strasbourg, 4 mai 1979, Obs. Astron. Strasbourg, 157 pp.  
 This volume is in fact made of the proceedings of the first *Journée de Strasbourg* (see next section).

## 3.2. JOURNÉES DE STRASBOURG

The proceedings of the *Journées de Strasbourg*, typically one-day meetings on specific themes, have made up a series on their own with the ISSN 0989-612X.

There have been 13 such gatherings organized yearly between 1979 and 1991. As mentioned in the previous section, the first proceedings were labeled as Volume 6 of the *Publications de l'Observatoire de Strasbourg* and have been repeated here for completeness of the following list.

1. Jaschek, M. & Jaschek, C. (Eds.) 1979, Réunion sur les étoiles Be (4 mai 1979), Obs. Astron. Strasbourg, 157 pp.

2. Jaschek, M. & Jaschek, C. (Eds.) 1980, Réunion sur les étoiles supergéantes (11 janvier 1980), Obs. Astron. Strasbourg, 185 pp.
3. Florsch, A., Jaschek, M. & Jaschek, C. (Eds.) 1981, Étoiles bleues en-dessous de la séquence principale (9 janvier 1981), Obs. Astron. Strasbourg, 134 pp.
4. Dubois, P., Florsch, A. & Jaschek, M. (Eds) 1982, La structure du Petit Nuage de Magellan (23 février 1982), Obs. Astron. Strasbourg, 92 pp.
5. Florsch, A., Jaschek, M. & Jaschek, C. (Eds.) 1983, Les étoiles binaires dans le diagramme HR (20 janvier 1983), Obs. Astron. Strasbourg, 103 pp.
6. Egret, D. & Guibert, J. (Eds.) 1984, L'avenir des données non stellaires (6 mars 1984), Obs. Astron. Strasbourg, 103 pp.
7. Florsch, A., Jaschek, M. & Jaschek, C. (Eds.) 1985, La composition chimique des étoiles dans le voisinage solaire (24 janvier 1985), Obs. Astron. Strasbourg, 98 pp.
8. Acker, A. (Ed.) 1986, Les nébuleuses planétaires (6 février 1986), Obs. Astron. Strasbourg, 111 pp. (ISBN 2-906361-00-3)
9. Fresneau, A. & Hamm, M. (Eds.) 1987, Impacts des surveys du visible sur notre connaissance de la galaxie (18 mars 1987), Obs. Astron. Strasbourg, 137 pp. (ISBN 2-906361-01-1)
10. Halbwachs, J.L., Jasniewicz, G. & Egret, D. (Eds.) 1988, Détection et classification des étoiles variables (21 avril 1988), Obs. Astron. Strasbourg, 99 pp. (ISBN 2-906361-02-X)
11. Heck, A. (Ed.) 1989, Artificial Intelligence Techniques for Astronomy – Techniques de l'intelligence artificielle pour l'astronomie (4 April 1989 – 4 april 1989), Obs. Astron. Strasbourg, 80 pp. (ISBN 2-906361-04-6)
12. Heck, A. (Ed.) 1990, Fractals in Astronomy (26 June 1990), *Vistas Astron.* **33** 247-424.
13. Jasniewicz, G. (Ed.) 1991, Stades avancés dans l'évolution des étoiles binaires serrées (23 mai 1991), Obs. Astron. Strasbourg, iii + 57 pp.

### 3.3. ASTRONOMIE ET SCIENCES HUMAINES

In 1986, P. Erny (Institute of Ethnology) and C. Jaschek initiated a series of meetings on astronomy and human sciences, the proceedings of which made up their own series with the ISSN 0989-6236. In total, 22 of such conferences took place, the last one in November 1996.

The following list is provided to the best of what could be extracted from archives and human memories. For instance, some conference dates remain incomplete (exact days missing). It should also be noted that, if the first volumes were entirely dedicated to specific meetings, the last ones gather

together whatever could be collected from speakers at several gatherings. No communications were ever published for the 19<sup>th</sup> nor the 21<sup>st</sup> meetings.

1. Erny, P. & Jaschek, C. (Eds.) 1988, Inst. Ethnologie & Obs. Astron. Strasbourg, 125 pp. [Communications to the first three meetings held on 24 October 1986, 16 January 1987 and 22 May 1987.]
2. Erny, P. & Jaschek, C. (Eds.) 1988, Inst. Ethnologie & Obs. Astron. Strasbourg, 150 pp. [Communications to the 4<sup>th</sup> and 5<sup>th</sup> meetings held in December 1987 and April 1988.]
3. Erny, P. & Jaschek, C. (Eds.) 1989, Inst. Ethnologie & Obs. Astron. Strasbourg, 110 pp. [Communications to the 6<sup>th</sup> meeting held on 4 November 1988.]
4. Erny, P. & Jaschek, C. (Eds.) 1989, Inst. Ethnologie & Obs. Astron. Strasbourg, 147 pp. [Communications to the 7<sup>th</sup> meeting held on 28 April 1989.]
5. Erny, P. & Jaschek, C. (Eds.) 1990, Inst. Ethnologie & Obs. Astron. Strasbourg, 112 pp. [Communications to the 8<sup>th</sup> meeting.]
6. Erny, P. & Jaschek, C. (Eds.) 1991, Inst. Ethnologie & Obs. Astron. Strasbourg, 83 pp. [Communications to the 9<sup>th</sup> meeting.]
7. Erny, P. & Jaschek, C. (Eds.) 1992, Inst. Ethnologie & Obs. Astron. Strasbourg, 106 pp. [Communications to the 10<sup>th</sup> and 11<sup>th</sup> meetings.]
8. Erny, P. & Jaschek, C. (Eds.) 1992, Inst. Ethnologie & Obs. Astron. Strasbourg, 162 pp. [Communications to the 12<sup>th</sup> and 13<sup>th</sup> meetings.]
9. Jasniewicz, G. (Ed.) 1993, Inst. Ethnologie & Obs. Astron. Strasbourg, 168 pp. [Communications to the 14<sup>th</sup> and 15<sup>th</sup> meetings held on 6 November 1992 and 14 May 1993.]
10. Jasniewicz, G. (Ed.) 1994, Inst. Ethnologie & Obs. Astron. Strasbourg, 140 pp. [Communications to the 15<sup>th</sup>, 16<sup>th</sup> and 17<sup>th</sup> meetings held on 14 May 1993, 19 November 1993 and 27 May 1994.]
11. Jasniewicz, G. (Ed.) 1995, Inst. Ethnologie & Obs. Astron. Strasbourg, 88 pp. [Communications to the 17<sup>th</sup> and 18<sup>th</sup> meetings held on 27 May 1994 and 25 November 1994.]
12. Jasniewicz, G. (Ed.) 1996, Inst. Ethnologie & Obs. Astron. Strasbourg, 82 pp. [Communications to the 18<sup>th</sup> and 20<sup>th</sup> meetings held on 25 November 1994 and 24 November 1995.]
13. Valls-Gabaud, D. (Ed.) 1996, Inst. Ethnologie & Obs. Astron. Strasbourg, 136 pp. [Communications to the 20<sup>th</sup> and 22<sup>nd</sup> meetings held on 24 November 1995 and 26 November 1996.]

#### 3.4. ÉQUIPE “POPULATION STELLAIRE”

The following publication, produced by one of the research teams (Stellar Populations), has been labeled separately:

- Bischoff, M., Florsch, A., Florsch, J. & Marcout, J. 1988, Catalogue des petits objets dans la direction du Petit Nuage de Magellan, Obs. Astron. Strasbourg, 250 pp. (ISBN 2-906361-03-8)

#### 4. The CDS Information Bulletin

The Centre de Données Stellaires (CDS)<sup>6</sup> was installed at Strasbourg Observatory in 1972 (see Heck 2005b and Jung 2005 in this volume). In 1971, *i.e.* even before the official existence of the center, an *Information Bulletin* started to appear twice a year under the editorship of the CDS Director. The publication was discontinued after Issue 48 (March 1996).

The Bulletin carried two different titles over the years:

- from Issue 1 (January 1971) to Issue 12 (January 1977), it was known as *Centre de Données Stellaires – Information Bulletin*, while
- from Issue 13 (July 1977) onwards, that title switched to *Bulletin d'information du CDS* with the ISSN 0242-6536. From Issue 40 (January 1992) onwards, that ISSN became 1169-8837 as the new CDS explanation (see Footnote 6 – already in practical usage by the mid-1980s) appeared on the cover.

#### 5. The CDS Special Publications

This section gathers together the various volumes published in the series entitled *Publications Spéciales du CDS* (CDS Special Publications) under the generic ISSN 0764-9614.

1. Fernandez, A., Le Squeren, A.M. & Lortet, M.C. 1977, Recherches bibliographiques sur la détection de raies moléculaires dans les objets galactiques – Bibliography of Molecular Lines in Galactic Objects, 161 pp. (ISBN 2-908064-00-6)
2. Fernandez, A. & Lortet, M.C. 1980, Detection and Measurements of Infrared Emission from Galactic Objets – Recherches bibliographiques sur la détection et les mesures de divers types d'objets galactiques en infrarouge, 136 pp. (ISBN 2-908064-01-4)
3. Acker, A., Chopinet, M., Gleizes, F., Marcout, J., Ochsenbein, F. & Roques, J.M. 1982, Catalog of the Central Stars of Planetary Nebulae (with the collaboration of Haute Provence Observatory), iv + 129 pp.
4. Jaschek, M. & Egret, D. 1982, Catalog of Stellar Groups: The Earlier Groups, 114 pp. (ISBN 2-908064-03-0)
5. Jaschek, M. & Egret, D. 1982, Catalog of Stellar Groups: The Later Groups (unpublished?)

<sup>6</sup>Later renamed as *Centre de Données astronomiques de Strasbourg*.

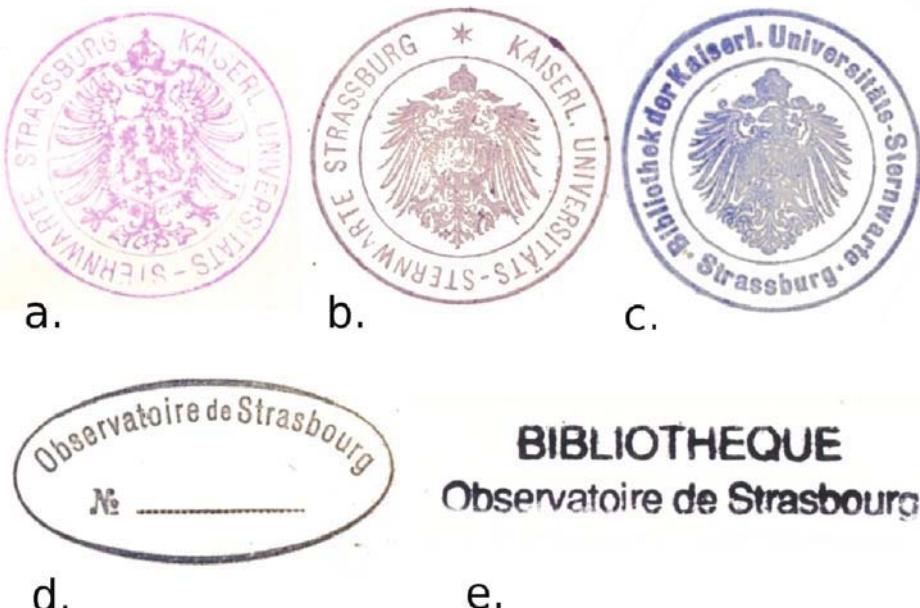


Figure 1. Stamps used by the library of Strasbourg Observatory over the years: a) first German stamp used in the 19<sup>th</sup> century until 1902-1903; b) second German stamp used both in the 19<sup>th</sup> and 20<sup>th</sup> centuries, sometimes together with the first stamp; c) third German stamp, used in the 20<sup>th</sup> century after 1906-1907; d) French stamp used after 1918; e) current stamp.

6. Bischoff, M. 1983, Tables de correspondances relatives au *Catalogue of Stellar Identifications*: 1ère partie, 77 pp. (ISBN 2-908064-04-9)
7. Bischoff, M. 1984, Tables de correspondances relatives au *Catalogue of Stellar Identifications*: 2ème partie, 73 pp. (ISBN 2-908064-05-7)
8. Heck, A. & Manfroid, J. 1985, International Directory of Astronomical Associations and Societies 1986 (IDAAS 1986), iv + 266 pp. (ISBN 2-908064-06-5)
9. Heck, A. & Manfroid, J. 1986, International Directory of Professional Astronomical Institutions 1987 (IDPAI 1987), iv + 276 pp. (ISBN 2-908064-07-3)
10. Heck, A. & Manfroid, J. 1987, International Directory of Astronomical Associations and Societies 1988 (IDAAS 1988), vi + 516 pp. (ISBN 2-908064-08-1)
11. Heck, A. 1988, A Bibliographical Catalogue of RR Lyrae Stars, 190 pp. (ISBN 2-908064-09-x)
12. Heck, A. 1988, International Directory of Professional Astronomical

- Institutions 1989 (IDPAI 1989), vi + 492 pp. (ISBN 2-908064-10-3)
13. Heck, A. 1989, International Directory of Astronomical Associations and Societies together with related items of interest – Répertoire international d'associations et sociétés astronomiques ainsi que d'autres entrées d'intérêt général (IDAAS 1990), vi + 716 pp. (ISBN 2-908064-11-1)
14. Heck, A. 1989, International Directory of Professional Astronomical Institutions together with related items of interest – Répertoire international des institutions astronomiques professionnelles ainsi que d'autres entrées d'intérêt général (IDPAI 1990), vi + 658 pp. (ISBN 2-908064-12-x)
15. Heck, A. 1990, Acronyms and Abbreviations in Astronomy and Space Sciences, ii + 254 pp. (ISBN 2-908064-13-8)
16. Heck, A. 1991, Astronomy, Space Sciences and Related Organizations of the World (ASpScROW 1991), x + 1182 pp. (two volumes) (ISBN 2-908064-14-6)
17. Marcout, J. & Florsch, A. 1990, Catalogue des objets dans la direction du Petit Nuage de Magellan, Complément n° 1 – Catalogue of Objects in the Direction of the Small Magellanic Cloud, 52 pp. (ISBN 2-908064-15-4)
18. Heck, A. 1991, Acronyms and Abbreviations in Astronomy, Space Sciences and Related Fields, iv + 592 pp. (ISBN 2-908064-16-2)
19. Heck, A. 1992, StarBriefs 1992 – A Dictionary of Abbreviations, Acronyms, and Symbols in Astronomy, Space Sciences and Related Fields, xxxiv + 774 pp. (ISBN 2-908064-17-0)
20. Heck, A. 1993, StarGuides 1993 – A Directory of Astronomy, Space Sciences and Related Organizations of the World, x + 1174 pp. (two volumes) (ISBN 2-908064-14-6)
21. Heck, A. 1993, StarBriefs 1993 – A Dictionary of Abbreviations, Acronyms, and Symbols in Astronomy, Space Sciences and Related Fields, xxxiv + 778 pp. (ISBN 2-908064-19-7)
22. Heck, A. 1994, StarBriefs 1994 – A Dictionary of Abbreviations, Acronyms, and Symbols in Astronomy, Space Sciences and Related Fields, vi + 818 pp. (ISBN 2-908064-20-0)
23. Heck, A. 1994, StarGuides 1994 – A Directory of Astronomy, Space Sciences and Related Organizations of the World, viii + 880 pp. (ISBN 2-908064-21-9)
24. Lortet, M.C., Bordes, S. & Ochsenbein, F. 1994, The Second Reference Dictionary of the Nomenclature of Celestial Objects, iii + 235 pp. (Volume I) and xii + 300 pp. (Volume II) (ISBN 2-908064-22-7)
25. Heck, A. 1995, StarGuides 1995 – A Directory of Astronomy, Space Sciences and Related Organizations of the World, viii + 814 pp. (ISBN

- 2-908064-23-5)
- 26. Heck, A. 1995, StarBriefs 1995 – A Dictionary of Abbreviations, Acronyms, and Symbols in Astronomy, Space Sciences and Related Fields, vi + 744 pp. (ISBN 2-908064-24-3)
  - 27. Heck, A. 1996, StarGuides 1996 – A Directory of Astronomy, Space Sciences and Related Organizations of the World, viii + 916 pp. (ISBN 2-908064-25-1)
  - 28. Heck, A. 1996, StarBriefs 1996 – A Dictionary of Abbreviations, Acronyms, and Symbols in Astronomy, Space Sciences and Related Fields, vi + 906 pp. (ISBN 2-908064-26-x)
  - 29. Heck, A. 1997, StarGuides 1997 – A Directory of Astronomy, Space Sciences and Related Organizations of the World, viii + 1018 pp. (ISBN 2-908064-27-8)
  - 30. Heck, A. 1998, StarGuides 1998 – A Directory of Astronomy, Space Sciences and Related Organizations of the World, viii + 1022 pp. (ISBN 2-908064-28-6)
  - 31. Heck, A. 1999, StarGuides 1999 – A Directory of Astronomy, Space Sciences and Related Organizations of the World, viii + 1124 pp. (ISBN 2-908064-29-4)
  - 32. Heck, A. 2000, StarGuides 2000 – A Directory of Astronomy, Space Sciences and Related Organizations of the World, viii + 1140 pp. (ISBN 2-908064-30-8)
  - 33. Heck, A. 2000, StarBriefs 2000 – A Dictionary of Abbreviations, Acronyms, and Symbols in Astronomy, Space Sciences and Related Fields, vi + 802 pp. (ISBN 2-908064-31-6)

## 6. Newsletters

Some specialized newsletters were temporarily published at Strasbourg Observatory. They cannot be considered exactly as institutional publications, but are nevertheless mentioned here for the record.

### 6.1. BE STARS

The *Bulletin d'information sur les étoiles Be – The Be Star Newsletter* was edited twice yearly by M. Jaschek from 1980 to 1986 (Issues 1-13) for the Commission 29 of the International Astronomical Union (IAU). It carried the ISSN 0296-3140.

### 6.2. CHEMICALLY PECULIAR LATE-TYPE STARS

The *Bulletin sur les étoiles tardives à spectre particulier – The Newsletter of Chemically Peculiar Late-Type Stars* appeared twice yearly under the

editorship of C. Jaschek from 1984 to 1987 (Issues 1 to 5) with the ISSN 0296-3132.

### 6.3. RADIAL VELOCITIES

The *Radial Velocities Newsletter* was also edited by C. Jaschek for IAU Commission 30, apparently only twice, in 1987 and 1988.

### 6.4. IAU WG ON ASTRONOMICAL DATA

The *Newsletter of the IAU Commission 5 Working Group on ‘Astronomical Data’* was edited by A. Heck as Chairman of the WG from 1991 to 1994. Four issues were published.

### 6.5. WG FOR MODERN ASTRONOMICAL METHODOLOGY

The *Newsletter of the Working Group for Modern Astronomical Methodology* was edited by A. Heck and F. Murtagh (ST-ECF) between 1985 and 1989. Eight issues were published and were subsequently reprinted in the CDS Information Bulletin.

## Acknowledgements

We thank H.W. Duerbeck for useful comments. Refer also to his chapter in this volume (Duerbeck 2005a) for *i.a.* a list of theses completed at Strasbourg Observatory during German times. Compiling a similar list for the French periods would have been very difficult: lack of appropriate data, frequent changes of the rules for theses in the French system (sometimes two different types of theses), plus not unfrequently theses prepared in Strasbourg, but presented elsewhere, and *vice versa*.

## References

1. Duerbeck, W.H. 2005a, The Observatory of the Emperor Wilhelm University: The People behind the Documents, this volume.
2. Duerbeck, H. 2005b, Walter F. Wislicenus and Modern Astronomical Bibliography, this volume.
3. Esclangon, E. 1926, La Nouvelle Organisation de l’Observatoire, *Ann. Obs. Strasbourg* **I**, 1-44.
4. Heck, A. 2005a, The Multinational History of Strasbourg Observatory, this volume.
5. Heck, A. 2005b, Vistas into the CDS Genesis, this volume.
6. Jung, J. 2005, The Stellar Data Center: Origins and Early Beginnings (1972-1974), this volume.