

## Archive Frits Zernike

### Concordance

Old university museum division	New numbers
Lade 1, doos 1, map 1	1.1.1 - 1.1.4
Lade 1, doos 1, map 2	1.1.5 - 1.1.7
Lade 1, doos 1, map 3	1.2.1 - 1.2.3
Lade 1, doos 2, map 1	1.3.1 - 1.3.4
Lade 1, doos 2, map 2	1.1.8, 1.3.5 - 1.3.7
Lade 1, doos 2, map 3 'Zernike chair 1'	1.1.9
Lade 1, doos 2, map 4 'Zernike chair 2'	1.1.10
Lade 1, doos 3, map 1 'Publications C.F.A. Zernike' (1)	1.3.8
Lade 1, doos 3, map 2 'Publications C.F.A. Zernike' (2)	1.3.9
Lade 1, doos 3, map 3 'Publications C.F.A. Zernike' (3)	1.3.10
Lade 1, doos 3, map 4	1.3.11 - 1.3.12
Lade 1, doos 4, map 1 'Publications C.F.A. Zernike' (4)	1.3.13
Lade 1, doos 4, map 2 'Publications C.F.A. Zernike' (5)	1.3.14
Lade 1, doos 4, map 3 'Publications C.F.A. Zernike' (6)	1.3.15
Lade 1, doos 5, map 1 'Sister'	1.3.16
Lade 1, doos 5, map 2	1.3.17 - 1.3.19
Lade 1, doos 5, book 'Het Schamele Deel'	1.3.20
Lade 2, doos 1, map 1, 'Primary school, study period, assistantship, 1894-1915'	2.1
Lade 2, doos 1, map 2, 'Lectureship RUG, 1915-1920'	2.2.1
Lade 2, doos 1, map 3, 'Professorship RUG, 1920-1937'	2.2.2
Lade 2, doos 1, map 4, 'Rectorship 1938-1939'	2.2.3
Lade 2, doos 1, map 5, 'Professorship 1940-1947'	2.2.4
Lade 2, doos 2, map 1, 1948-1953	2.2.5
Lade 2, doos 2, map 2, 1954-1957	2.2.6
Lade 2, doos 3, map 1, 1958	2.2.7
Lade 2, doos 3, map 2, Farewell	2.2.7
Lade 2, doos 3, map 3, Nobel Prize	2.2.8
Lade 3, doos 1 'Correspondence A - Kipp', map 1, 'Bleeker, Bot, Bottema'	3.1 - 3.3
Lade 3, doos 1 'Correspondence A - Kipp', map 2, 'Bouwkamp [...] Van Cittert-Eymers'	3.4 - 3.7

Lade 3, doos 1 'Correspondence A – Kipp', map 3, "Coster [...] Herzberg'	3.8 – 3.13
Lade 3, doos 1 'Correspondence A – Kipp', map 4, 'Herzprung [...] Kipp en zn'	3.14 – 3.18
Lade 3, doos 2 'Correspondence K-Z', map 1, 'Klokker-Coster tot Oosterwijk'	3.19 – 3.27
Lade 3, doos 2 'Correspondence K-Z', map 2, 'P tot Ruinen'	3.28 – 3.32
Lade 3, doos 2 'Correspondence K-Z', map 3, 'Saylor – Schweigman'	3.33 – 3.34
N/A – (Correspondence A. Smits)	3.35
Lade 3, doos 2 'Correspondence K-Z', map 4, 'Snethlage – Zwikker'	3.36 – 3.43
Lade 4, doos 1, map 1, 'Part 1'	4.1 – 4.3
Lade 4, doos 1, map 2, 'pt 2; publications 1911-1915'	4.4 – 4.6
Lade 4, doos 1, map 3, 'lade 4 publications 1916-1926'	4.7 – 4.14
Lade 4, doos 1, map 4, 'lade 4 publications 1927-1928'	4.15 – 4.16
Lade 4, doos 2, map 1, 'lade 4 publications 1929-1934	4.17 – 4.22
Lade 4, doos 2, map 2, 'lade 4 publications 1935-1936'	4.23 – 4.24
Lade 4, doos 2, map 3, 'lade 4 publications 1937'	4.25
Lade 4, doos 2, map 4, 'lade 4 publications 1938-1941'	4.26 – 4.29
Lade 4, doos 3, map 1, 'lade 4 publications 1941-1942'	4.30
Lade 4, doos 3, map 2, 'lade 4 publications 1943-1949'	4.31 – 4.36
Lade 4, doos 3, map 3, 'lade 4 publications 1950-1958'	4.37 – 4.39
'Lade 5, doos 1, map 1, List of students and dissertations'	4.40
'Lade 5, doos 1, maps 2-4, dissertations'	4.41 – 4.48
'Lade 5, doos 2, maps 1-4, dissertations'	4.49 – 4.56
Addendum I, "Zernike Archive (orig. UM)" <sup>1</sup>	5.1 – 5.19
Addendum II, 'Zernike Supplement UM 1992'	6
Addendum III, Cassettes and SSD interviews	7
Addendum IV, *The Collected Papers of Frits Zernike*, 4 vols. and some graphical drawings	8
Addendum V, Gift D. Atkinson	9

<sup>1</sup> Voor addenda I, II, IV, V geldt dat deze niet op de oude plaatsingslijst voorkomen

## 1. Biographical material and private items

### 1.1. Miscellaneous

- 1.1.1. Archive register, 10 sheets.
- 1.1.2. Descriptions, negatives, photos, slides, and films. 3 envelopes and 4 sheets.
- 1.1.3. Card system life course F.Z., 1 envelope with system cards.
- 1.1.4. Obituaries Frits Zernike. 24 items.
- 1.1.5. Biographical data, mainly medical. 12 items.
- 1.1.6. Family Zernike addresses
- 1.1.7. Genealogical research, including passport F. Zernike. 19 items.
- 1.1.8. "Uncertainties (handwriting F.Z.)"
- 1.1.9. 'Zernike chair 1', 57 items
- 1.1.10. 'Zernike chair 2', 1 folder with multiple items

### 1.2. Estate and legacy

- 1.2.1. Correspondence legacy. 17 items.
- 1.2.2. Busts and miscellaneous. 11 items
- 1.2.3. Naming of streets/schools.

### 1.3. Zernike family

- 1.3.1. L. van Kampen-Zernike / N.G. van Kampen. 10 items.
- 1.3.2. A. Mankes-Zernike. 10 items.
- 1.3.3. N. Korff-Zernike (sister), 4 items
- 1.3.4. F. de Jong Edzn. (nephew), 16 items
- 1.3.5. F. v. Roggen-Buiskool (house friend), 1 item
- 1.3.6. C.F.A. Zernike (father), 19 items
- 1.3.7. A. Zernike-Dieperink (mother)
- 1.3.8. 'Publications C.F.A. Zernike' (1), 3 folders with a total of 16 items
- 1.3.9. 'Publications C.F.A. Zernike' (2), 4 folders with a total of 7 items
- 1.3.10. 'Publications C.F.A. Zernike' (3), 1 folder with 11 items
- 1.3.11. 'W.Rueb-Zernike (daughter)', 15 items
- 1.3.12. 'B.E. Dieperink (mother's family)', 11 items
- 1.3.13. 'Publications C.F.A. Zernike' (4), 2 envelopes with 6 items.
- 1.3.14. 'Publications C.F.A. Zernike' (5), 1 envelope with 3 items
- 1.3.15. 'Publications C.F.A. Zernike' (6), 5 envelopes with 10 items
- 1.3.16. 'E.Zernike (sister)', 1 envelope with 24 items
- 1.3.17. 'F.Zernike jr. (son)', 1 envelope with 12 items
- 1.3.18. 'T.W.Zernike-v.Bommel v. Vloten (1st wife)', 1 envelope with 8 items
- 1.3.19. 'J.Zernike (brother)', 1 envelope with 6 items
- 1.3.20. Book Elisabeth Zernike, Het schamele deel (Leiden: A.W. Sijthoff, 1923)

## 2. Study and career

### 2.1. School and study period 1894-1915

- 2.1.1. 'Primary school/H.B.S.', 1894-1905, 1 envelope with 6 items

- 2.1.2. 'Study period 1905-1913', 1 envelope with 19 items
- 2.1.3. 'Assistantship RUG, 1913-1915', 1 envelope with 7 items

## 2.2. Career

- 2.2.1. 'Lectureship RUG, 1915-1920', 3 envelopes with 14 items
- 2.2.2. 'Professorship RUG, 1920-1937', 2 envelopes with 34 items
- 2.2.3. 'Rectorship RUG, 1938-1939', 1 envelope with 19 items
- 2.2.4. 'Professor RUG, 1940-1947', 1 envelope with 20 items
- 2.2.5. 'Professorship at RUG, 1948-1953', 1 envelope with 17 items and a book (2.2.5.18)
- 2.2.6. 'Professorship RUG, 1954-1957', 1 envelope with 41 items
- 2.2.7. 'Professorship RUG and farewell, 1958', 2 folders, 4 envelopes with 150 items
- 2.2.8. Nobel Prize 1953, 1 envelope with 52 items
- 2.2.9. Various awards, 1 envelope with 17 items
- 2.2.10. Memberships, 1 envelope with 19 items
- 2.2.11. Lectures by F. Zernike, 1 envelope with 12 items
- 2.2.12. Zernike stamp, 1 envelope with 5 items

## 3. Correspondence and transcribed interviews (conducted by H. Brinkman)<sup>2</sup>

- 3.1. Bleeker, C.E. and G. Willemse, 2 envelopes with 75 items
- 3.2. Blok, B.J., 1 envelope with 2 items
- 3.3. Bottema, M., 1 envelope with 9 items
- 3.4. Bouwkamp, C.J., 1 envelope with 6 items
- 3.5. Brice, A., 1 envelope with 41 items
- 3.6. Brons, F. and H. H., 1 envelope, with 5 items
- 3.7. Cittert-Eymers, J.G. van, 1 envelope with 1 item
- 3.8. Coster, D., 1 envelope with 1 item
- 3.9. Diemer, G., 1 envelope with 1 item
- 3.10. Essen, A.A. van, 1 envelope with 1 item
- 3.11. Groendijk, 1 envelope with 1 item
- 3.12. Groenewold, H., 1 envelope with 14 items
- 3.13. Herzberg, W.A.J., 1 envelope with 1 item
- 3.14. Herzsprung, E., 1 envelope with 2 items
- 3.15. Hobma, L., 1 envelope with 1 item
- 3.16. Kampen, H.G. van, 1 envelope with 1 item
- 3.17. Kapteyn, J.C., 1 envelope with 8 items
- 3.18. N.V. Kipp en Zn. Delft, 1 envelope with 22 items
- 3.19. Klokker-Coster, A., 1 envelope with 1 item
- 3.20. Kuiper, 1 envelope with 1 item
- 3.21. Laer Kronig, R. de, 1 envelope with 1 item
- 3.22. Leitz Wetzlar, E., 1 envelope with 6 items

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<sup>2</sup> Inv. nos. 3.24, 3.25, and 3.35 (resp. Lorentz, Moll, and Smits) were not mentioned in the archive description of the UM. Lorentz and Smits were also found in current inv. nos. 2.1.1 and 2.1.2, but have been rearranged as correspondence descriptions to 3.

- 3.23. Lochter, W., 1 envelope with 1 item
- 3.24. Lorentz, H.A., 1 envelope with 3 items
- 3.25. Moll, W.J.N., 1 envelope with 2 items
- 3.26. Nijboer, B.R.A., 1 envelope with 4 items
- 3.27. Oosterwijk, J.H., 1 envelope with 15 items
- 3.28. Poppema, O.J., 1 envelope with 2 items
- 3.29. Prins, J.A., 1 envelope with 1 item
- 3.30. Rathenau, G.W., 1 envelope with 3 items
- 3.31. Rooseboom, M., 1 envelope with 6 items
- 3.32. Ruinen, L., 1 envelope with 1 item
- 3.33. Sayler, Ch.P., 1 envelope with 62 items
- 3.34. Schweigman, F.W.J., 1 envelope with 1 item
- 3.35. Smits, A., 1 envelope with 1 item
- 3.36. Snethlage, A., 1 envelope with 1 item
- 3.37. Veldkamp, J., 1 envelope with 2 items
- 3.38. Weegenaar, H., 1 envelope with 2 items
  
- 3.39. Zeiss Jena, C., 1 envelope with 5 items
- 3.40. Ziel, A. van der, 1 envelope with 1 item
- 3.41. Zinder, J. van, 1 envelope with 1 item
- 3.42. Zuylen, J. van, 1 envelope with 2 items
- 3.43. Zwikker, C., 1 envelope with 3 items

#### 4. Bibliography and publications F. Zernike, dissertations of PhD students

- 4.1. Bibliographies F. Zernike, 1 envelope with 10 items
- 4.2. Sixteen bound copies of articles by Zernike, with accompanying letter from K.N.A.W. to prof. dr. H. Brinkman, 1977, 1 envelope with 1 item
- 4.3. Some (incomplete) texts by F. Zernike, undated, 1 envelope with 6 items
- 4.4. Publication 1911, 1 envelope with 1 item
- 4.5. Publications 1914, 1 envelope with 5 items
- 4.6. Publications 1915, 1 envelope with 10 items
- 4.7. Publications 1916, 1 envelope with 9 items
- 4.8. Publications 1917, 1 envelope with 3 items
- 4.9. Publications 1918, 1 envelope with 6 items
- 4.10. Publications 1919, 1 envelope with 7 items
- 4.11. Publications 1921, 1 envelope with 3 items
- 4.12. Publication 1923, 1 envelope with 1 item
- 4.13. Publication 1925, 1 envelope with 1 item
- 4.14. Publications 1926, 1 envelope with 6 items
- 4.15. Publication 1927, 1 envelope with 1 item
- 4.16. Publications 1928, 1 envelope with 45 items
- 4.17. Publication 1929, empty envelope
- 4.18. Publication 1930, 1 envelope with 1 item
- 4.19. Publication 1931, 1 envelope with 1 item
- 4.20. Publication 1932, 1 envelope with 1 item

- 4.21. Publication 1933, 1 envelope with 2 items
- 4.22. Publications 1934, 1 envelope with 6 items
- 4.23. Publications 1935, 1 envelope with 3 items
- 4.24. Publication 1936, 1 envelope with 2 items
- 4.25. Publications 1937, 1 envelope with 8 items
- 4.26. Publication 1938, empty envelope
- 4.27. Publications 1939, 1 envelope with 5 items
- 4.28. Publications 1940, 1 envelope with 4 items
- 4.29. Publications 1941, 1 envelope with 7 items
- 4.30. Publications 1942, 1 envelope with 15 items
- 4.31. Publication 1943, 1 envelope with 1 item
- 4.32. Publication 1946, 1 envelope with 2 items
- 4.33. Publication 1947, 1 envelope with 1 item
- 4.34. Publications 1948, 1 envelope with 2 items
- 4.35. Publications 1949, 1 envelope with 2 items
- 4.36. Publications 1950, 1 envelope with 8 items
- 4.37. Publications 1953, 1 envelope with 7 items
- 4.38. Publication 1957, 1 envelope with 2 items
- 4.39. Publications 1958, 1 envelope with 8 items
- 4.40. Bibliography F. Zernike on 4 sheets
- 4.41. Lists of students and PhD students, a transcribed interview with a PhD student, and some notes, 4 items
- 4.42. Lecture notes, edited from Zernike's course on vibration theory in 22 lectures, October 1937 to May 1938, in a contemporary folder
- 4.43. Dissertation and invitation to the promotion dinner of H.H. Buzeman, 1922, 2 items
- 4.44. Dissertation G.C. Dibbetz, 1928
- 4.45. Dissertation H.C. Huizing, 1932
- 4.46. Dissertation H. Petersen, 1933
- 4.47. Dissertation H.J. de Boek, 1936
- 4.48. Dissertation P.F. Lameris, 1936
- 4.49. Dissertation A.J. Lameris, 1938
- 4.50. Dissertation C.J. Bouwkamp, 1941, 2 copies
- 4.51. Dissertation B.R.A. Nijboer, 1942, 2 copies
- 4.52. Dissertation F.W.J. Schweigman, 1946
- 4.53. Dissertation R.S. Ketel, 1946
- 4.54. Dissertation K. Nienhuis, 1948
- 4.55. Dissertation C. van Winter, 1957
- 4.56. Dissertation M. Bottema, 1957

## 5. Addendum I: 'Zernike Archief (oorspr. UM)'

- 5.1. "J.A. Prins, D. Coster", 1 envelope with 4 items
- 5.2. "Questions to a Nobel Prize winner", 1 envelope with 10 items
- 5.3. "Diktemeter", 1 envelope with 3 items
- 5.4. "Booklets (Disselhorst also digital in digital references Bleeker)", 1 envelope with 3 items

- 5.5. "College vibration theory 1937 1938 loose sheets", 1 envelope with 2 items
  - 5.6. "Ultracentrifuge", 1 envelope with 3 items
  - 5.7. Scans of original envelope with some notes on it, 1 item
  - 5.8. Correspondence regarding patents, 1 envelope with 35 items
  - 5.9. "Clock and hammer game + Opalescence", 1 envelope with 7 items
  - 5.10. "Phase contrast original pieces", 1 envelope with 3 items
  - 5.11. "Phase contrast various, including patent Carl Zeiss", 1 envelope with 13 items
  - 5.12. "Geodesy", 1 envelope with 2 items
  - 5.13. "Correspondence with suppliers", 1 envelope with 31 items
  - 5.14. "Bolintegrator", 1 envelope with 3 items
  - 5.15. "Phase contrast foreign reprints", 1 envelope with 8 items
  - 5.16. Untitled, 1 envelope with 2 items
  - 5.17. Envelope with notes, sketches, etc. related to the interferometer
  - 5.18. Part of Bottema's dissertation, annotated, 1952. 9 sheets
  - 5.19. Envelope with drawings, notes, and sketches, partly large format, related to the interferometer
6. Addendum II: 'Zernike Archief (oorspr. UM) Supplement with, among other things, four notebooks by J.A. Prins, reprints of articles, and letters concerning the Nobel Prize. 33 items in 3 folders
  7. Addendum III: 59 cassette tapes (tape no. 2 missing) with recordings of interviews, conducted by prof. dr. H. Brinkman. Incl. Digitized version on portable SSD (2025), 2 boxes
  8. Addendum IV: Originating from UM, in two boxes
    - 8.1. Kubbinga, H., ed. The Collected Papers of Frits Zernike (1888-1966). 4 vols. Groningen: Groningen University Press, 2012-16
    - 8.2. Three hand-drawn graphs on paper
  9. Addendum V: Gift from David Atkinson to the UB, September 22, 2022, 1 folder
    - 9.1. Thesis F. Zernike with propositions
    - 9.2. Nobel Lecture 1953 F. Zernike
    - 9.3. Reprint "Bemerkung zur Theorie der Röntgenabsorption in molekularen Gasen", Zeitschrift für Physik (1932)
    - 9.4. Reprint "Über thermoelektrische Ströme in Quecksilber", Annalen der Physik (1920)