



*Albert Einstein 1879 - 1955*



*David Hilbert 1862 - 1943*



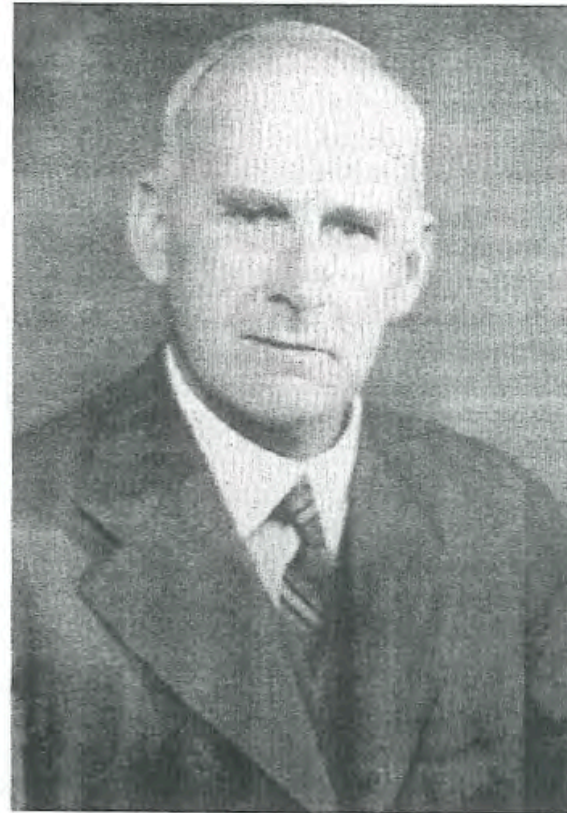
1914 eclipse



Freundlich, Erwin. Reproduced by permission of D. B. Herrmann from *The International Portrait Catalogue of the Archenhold Observatory* (Berlin: Archenhold Obs., 1984)

1916 book

1919 eclipse



Eddington, Arthur Stanley. Reproduced by permission of the Astronomical Society of the Pacific

1923 book

4



Work on relativity during the Great War

Einstein & Hilbert (assumed well-known)

Karl Schwarzschild 1916. Über das Gravitationsfeld eines  
Masses nach der Einsteinschen Theorie. Sitz. Kön. Preuss.  
Akad. Wiss. Physik-Math. Kl. 189-96

and Über das Gravitationsfeld einer Kugel aus inkompres-  
sibler Flüssigkeit nach der E.T., ditto, Kl. 424-34

REMARK: Virtually everybody writes of E's Theorie, not  
allgemeinen Relativitätstheorie

Hans Jacob Reissner 1916. Über die Eigengravitation des elek-  
trischen Feldes nach der E.G. Ann Phys 50, 106-120  
1974-1967. rcd. Iron Cross 2nd class for civilian work on  
aircraft design. Left for US 1938 (insufficiently Aryan)  
Paper from Charlottenburg

Gunnar Nordstrom 1918. On the energy of the gravitational  
field in E's theory, Proc. Kon. Ned Akad Wet 20, 1238-45  
1881-1923, Finnish (Swedish mother) to Leiden 1916 to work  
with Ehrenfest on Russian passport

HJR circumvented Russian censorship of German post to Finland  
with help of Bohr (c.f. to Eddington via NL)

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Schwarzschild, Karl. Reproduced by permission of Springer-Verlag (Karl Schwarzschild as a young man in Munich, 1900)





*Hans Jacob Reissner 1874 - 1967*



*Gunnar Nordstrom 1881 - 1923*

Hans Thirring 1918. Über die Wirkung rotierender ferner Massen  
 Phys Z 19, 33-39  
 1888-1976 Vienna. WWI initial deferment for foot broken skiing

HT & Josef Lense 1918. Über den Einfluss der Eigenrotation der  
 ZentralKörper auf die Bewegung der Planeten und Monde  
 der E G, Phys Z. 19, 156-163  
 JL: 1890 (Vienna)-1985 (Munich)

Ludwig Flamm 1914 PhD Vienna Das Relativitäts Prinzip  
 1916 Beiträge zur Einsteinschen Gravitationstheorie  
 Phys Z 17, 448-54 from Tech. Hoch. Vienna  
 married Boltzmann's youngest daughter Elsa

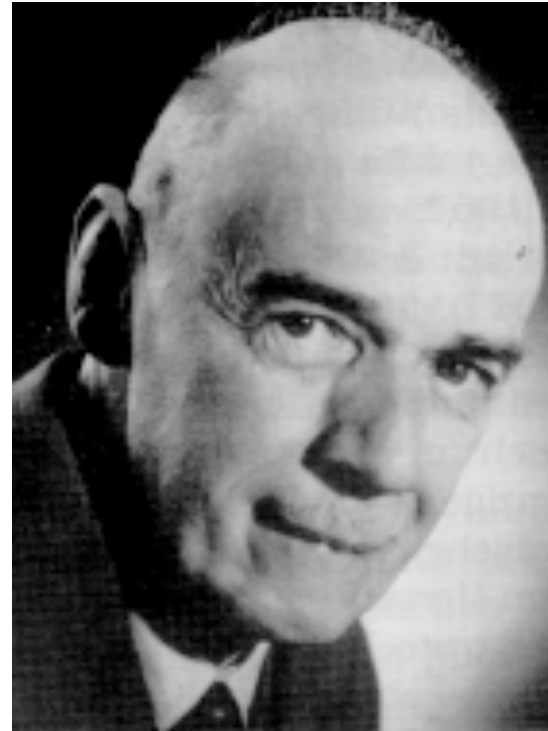
Erich Kretschmann 1917 Über den physikalischen Sinn der Relativitätspostulate, A. Einsteins neue und seine ursprüngliche Relativitätstheorie, Ann. Phys. 53, 575-614 (1887-1973)  
 disagreed with AE about covariance, 1915 paper from Königsberg.

Johannes Droste 1917. The field of a single center in E's th. of gravity & the motion of a single particle in that field  
 Proc. Roy. Ned. Acad Arts & Sci 19, 192-218 (this is VERY close to Schw. solution and goes largely uncredited).  
 Lorentz student





*Hans Thirring 1888 - 1976*



*Josef Lense 1890 - 1985*



*Ludvig Flamm 1885 - 1964*



*Erich Kretschmann 1887 - 1973*



Friedrich Kottler 1916. Über E's Äquivalenzhypothese und die Gravitation. Ann Phys 355, 955 (ceites Reissner, Einstein & own earlier work)

1918 Über die phys. Grund der Einsteinschen Re. Ann Phys 3-1, 401 (1886 Vienna 1965 Rochester NY)

2nd Lt. res. 1911. 1914-16 Namur, Maubeuge, Antwerp, Ypres motorized unit; iron cross 2nd class. 1916-17 commander howitzer unit Romania & East Galicia

1929 Nobel nomination of Heisenberg & Schrodinger as "chair holder at invited university"

May 1938 part of large group relieved of university jobs to preserve peace among faculties (insufficiently Aryan). To US

1939-55 chemist at Eastman Kodak (family & last decade a bit obscure?)

1906 one year volunteer in Imperial Royal Artillery Vienna Unique as expelled iron-cross physicist?

Meanwhile, in the US, Shapley at Mt. Wilson was moving us out of the center of the galaxy and Vesto Melvin Slipher at Lowell was collecting galaxy spectra

Ernst Opik was teaching in Moscow 1916-19, but also estimating distance to M31 (450 kpc or thereabouts)



*Johannes Droste 1886 - 1963*



*Friedrich Kottler 1886 - 1965*



*Frank Watson Dyson 1868 - 1939*



*Andrew Claude de la Cherois Crommelin 1865 - 1939*



#### ARTICLE 131.

Germany undertakes to restore to China within twelve months from the coming into force of the present Treaty all the astronomical instruments which her troops in 1900-1901 carried away from China, and to defray all expenses which may be incurred in effecting such restoration, including the expenses of dismounting, packing, transporting, insurance and installation in Peking.

#### ARTICLE 132.

Germany agrees to the abrogation of the leases from the Chinese Government under which the German Concessions at Hankow and Tientsin are now held.

China, restored to the full exercise of her sovereign rights in the above areas,

Tr.