

**Yakov Alpert, Moscow, April 1980**

## **Yakov Alpert – professional biography**

- 1911, March 1<sup>st</sup>      Yakov is born in the village of Ivnitzy near Zhitomir – Ukraine
- 1918-1925      Professional school in Zhitomir
- 1929      Yakov goes to Moscow, begins work as a heat technician
- 1932      Yakov begins taking courses at Moscow University
- 1931-1934      Chief technician at Experimental Radio Station in Zhabolobka
- 1935-1951      Research at Lebedev Physical Institute in Moscow
- 1939      Yakov graduates with highest honors from Moscow University
- 1941      Alpert awarded Ph.D. in Physics
- 1947      First book: “Propagation of Waves in Ionosphere”
- 1948      Alpert awarded the highest Soviet degree of Doctor of Science
- 1952      Yakov moves to the newly created Research Institute of Earth Magnetism
- 1953      Book “Propagation of Radio Waves” (with Ginzburg and Feinberg) becomes the most popular textbook in the field
- 1955-1970      More books
- 1958      Alpert and co-workers develop famous radio-beacon method
- 1969      Alpert becomes Head of the Division of Near-Earth Plasma
- 1975      Alpert applies for exit visa
- 1980-1986      Refusenik seminar in Moscow
- 1987      Alpert comes to the United States, settles in Boston, works at Harvard-Smithsonian
- 2001      Review in Physics Reports on resonances in magnetosphere
- 2010, October 5<sup>th</sup>      Yakov Alpert dies in Boston

# *Making Waves*



Yakov Alpert

STORIES FROM MY LIFE



S.Alber, A.Andersen(Norway), M.Freidlin, Ya.Alpert, Yu.Chernyak,  
E.Chudnovsky, L.Ozernoy, M.Chudnovsky, J.Carbonell(Venezuela),  
M.Mahlew(Norway), S.Alpert, February 1983



Meeting with French Scientists: A. Gvinier, Ya. Alpert, L. Schwartz,  
H. Cartan, N. Cartan, S. Alber, L. Brailovsky, S. Alpert, V. Brailovsky,  
June 1987



Joe Birman & Yakov Alpert, Moscow June 1987



Farewell meeting with A.Sakharov & E.Bonner in their kitchen, December 1987





80<sup>th</sup> Birthday, Sarachik's Apt, NY 1991



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# PHYSICS REPORTS

A Review Section of Physics Letters

## RESONANCE NATURE OF THE MAGNETOSPHERE

Ya.I. ALPERT

NORTH-HOLLAND

<http://www.elsevier.com/locate/physrep>

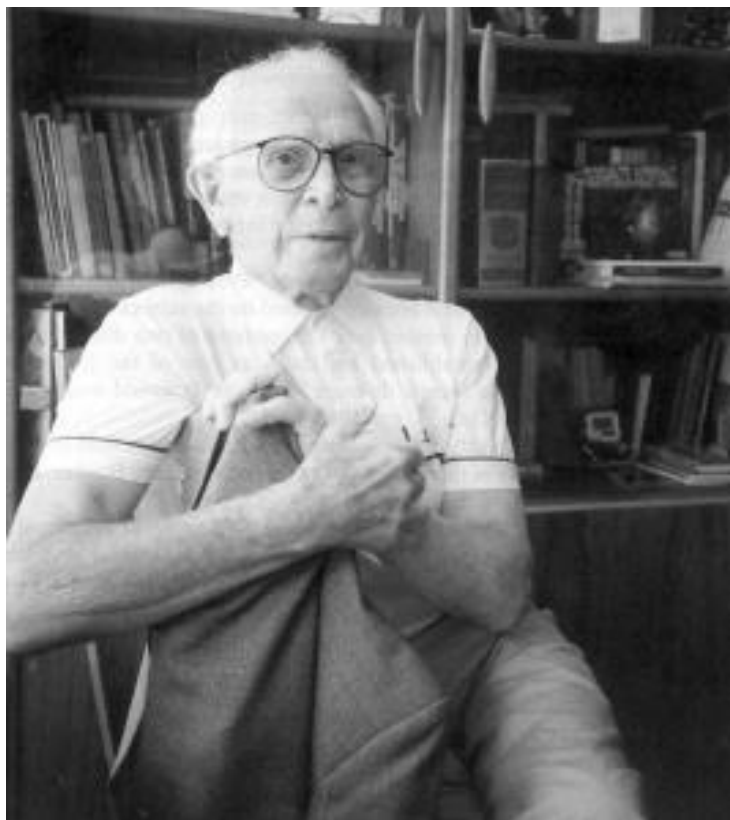
LAST ISSUE OF THIS VOLUME

Ya.Alpert's last publication, 2001



Hudson River, NY

**The Boston Globe, October 17, 2010**  
***Obituary: Yakov Alpert, at 99;***  
**refusenik did pioneering radio wave studies**  
By Bryan Marquard



Russia , February 2011  
Posthumous Medal to Alpert:  
**For world's first scientific  
experiment on artificial satellite**

