

ABRAM BERGSON'S LEGACY - 1914-2003

John Hardt¹

jadmr@comcast.net

The Bergson legacy may be measured by the students he trained, his published works and the Bergson modal -- the standard of scientific inquiry and discourse he established as his legacy to the profession. Bergson is considered the intellectual father of Soviet economics.

He played the major role in founding the U.S. tradition of description and analysis of Soviet economic institutions, measurement of Soviet growth, and evaluation of that growth. ... He had earlier made a major contribution in the development of welfare economics.²

His teachings put Soviet economic studies on the academic curricula and his research established a new sub-field in mainstream economic analysis. From 1949 to the 1990's six generations of Soviet economic specialists were influenced by Bergson's teaching.³ Bergson's publications from 1937 to the turn of the century informed the burgeoning cadre of Soviet economists, Soviet area specialists and mainstream economists.⁴ Bergson's modal brought rigor, objectivity, professionalism, and a broad approach to Soviet economic studies.⁵ This legacy will not expire with his passing, but will continue to influence future generations.

¹The views expressed are the author's and not necessarily those of Congressional Research Service.

²"Abram Bergson," Michael Ellman, *New Palgrave: Dictionary of Economics*, Macmillan Press, 1987, p. 229.

³"Rethinking Soviet Economic Studies," James Millar, *Beyond Soviet Studies*, edited by Daniel Orlovsky, Woodrow Wilson Center Press, 1995, Appendix A.

⁴Abram Bergson, 1937-2003: Selected Writings, November 2003, Appendix B.

⁵The specific examples are drawn from my personal experience. My first class with Bergson was in 1948 and I received my PhD from Columbia in 1955. I also viewed the impact of Bergson's legacy from the perspective of editor of, and contributor to, over forty volumes on the Soviet and Russian economy. The Joint Economic Committee of the U.S. Congress released these volumes from 1959 thru 2001.

Bergson as a teacher. Bergson's role was unique in 1947 as both a professor of economics and a senior economic specialist in the nascent Russian Institute area program at Columbia University. He later joined the faculty of economics at Harvard University after two terms as Director of the Russian Research Center, 1964-68, 1969-70.

Bergson made a major contribution to 20th-century economics by establishing a school of economists who transformed the study of the Soviet economy, hitherto a reserve of partisan emigres and committed writers, into a field of sober academic inquiry... They had an enormous influence on the development of U.S. economic Sovietology and established themselves as the dominant paradigm in that field.⁶

Bergson's teaching career initially defined the field and then changed with it. Even when the Soviet government published meager data, he provided his students with a comparative theoretical framework for understanding the Soviet economy. As the Soviet authorities provided more useful economic statistics, Bergson was able to develop an analytic framework for Soviet national income estimates using primary data. When both theoretical and empirical models of the Soviet economy were possible, Bergson's teachings contributed to and adjusted to this development. Throughout his long teaching career, he provided insights from theoretical assessments of the command economy to empirical assessments of Soviet economic development and stimulated informed discourse on the broader issues of the field. Bergson stressed to his students the importance of understanding the debate on central planning between Lange-Lerner and Von Mises. Bergson, as an area specialist, encouraged students to place the Soviet command economy in the context of Russian culture and socialist economic theory. Area study students specializing in political science and history such as Marshall Shulman, Alex Dallin, Jack Matlock, and Ralph Fisher developed an appreciation of the role of economics in Soviet development from Professor Bergson.

Bergson as a scholar. Bergson's extensive collected works span over 60 years. He started as a mainstream economist with important contributions to the development of welfare economic theory. In welfare economics Bergson is famous for his concept of an individualistic social welfare function. This concept was subsequently utilized and further developed by Professor Samuelson, who described

⁶"Abram Bergson," Michael Ellman, op.cit.

Bergson's contribution as "a flash of lightening after which all was light in the hitherto extraordinarily confused subject of welfare economics."⁷ John Hicks and Maurice Dodd expressed different views on the significance of Bergson's contribution to developing a social welfare function.⁸ Bergson encouraged the debate on his concept by inviting Professor Hicks to lecture at Columbia.

Bergson's interest in welfare economics may have peaked his interest in the Soviet economy and led to his research trip to the Soviet Union in 1937. He gained further insights on the functioning of the Soviet economy as the chief of the Russian economics subsection in the Russian Division of the Office of Strategic Services (OSS) during World War II. Abram Bergson joined Columbia's Russian Institute at its outset in 1946 as a professor of economics and as a member of the Institute faculty. Bergson was intellectually active with his colleagues at Columbia. He gained insight on national income accounting from Professor Carl Shoup, and other quantitative methodologies from contact with the National Bureau of Economic Research (NBER) staff, particularly from Professors Frederick Mills and Arthur Burns. Theoretical insights were stimulated by J. M. Clark, George Stigler and William Vickery.⁹ During his Columbia stay, he became a special consultant for Rand Corporation where he developed a cadre for constructing measures of Soviet economic growth.

Bergson's main contribution to economic Sovietology concerns the measurement of Soviet economic growth... Bergson developed a method which enables internationally comparable national income statistics and growth rates to be calculated for the USSR and applied to the USSR for 1928-55... The development of this method and its application to the USSR for the period 1928-55 was an enormous achievement. They clearly indicated that assessment of socialist economy did not have to remain at the level of ideological confrontation but was amenable to rational discourse and scientific inquiry.¹⁰

⁷Ibid.

⁸"Welfare Economics," Allan M. Feldman, *New Palgrave: Dictionary of Economics*, op.cit., pp 889-895.

⁹On advice of Professor Bergson, I took one or two courses from each of these Columbia professors.

¹⁰Ellman, op.cit.

Alexander Gershenkron, at Harvard, proposed physical indicator methods for generating internationally comparable data.¹¹ Bergson encouraged the physical indicator method as a check on his methodology for assessing Soviet economic growth. He facilitated development of Soviet input/output analyses by Vladimir Treml as a supplement to his national income calculations. Likewise, Murray Feshbach was inspired by Abram Bergson's work to initiate Soviet demographic studies. Publications on the measurement and understanding of Soviet economic performance and theoretical discussions on the Soviet command economy in the context of western economic theory were thus central to Abram Bergson's publications throughout his academic career.

Bergson's modal. Bergson had strong views on how teaching and research on the Soviet economy should be conducted. "His works on the Soviet economy are marked by the combination of encyclopaedic knowledge of Soviet statistics, theoretical analysis and immense industry."¹² The "sober academic inquiry" he brought to the field emphasized rigor, objectivity, professionalism, and a broad view of Soviet economic developments. Many of Bergson's betes noires relied on less demanding analyses in their assessments. Rigor. Bergson called for a rigorous approach, comparable to the modal of mainstream economists. He insisted on full documentation of analyses. Objectivity. He brought no animus to his teachings and research. Bergson wanted to understand Soviet economic development, not judge it. He would often caution students and colleagues, "We must have further research on this subject." Professionalism. Bergson felt a strong professional obligation to his students and his profession. He was accessible to students and demanded a great deal of them. He felt students had a strong responsibility for independent research and practical experience. His candidates for PhD in economics were expected to be conversant with history, political science, and law in the Soviet Union. In recommendations, he was particularly careful not to overstate the student's qualifications. Broad View of Soviet Economic Development. Bergson expected others to be as intellectually curious as he was. He wanted to know more about Soviet and Russian culture, Marxist and socialist teachings, and performance of other Communist countries in their transition periods. Bergson invited Herbert Marcuse

¹¹"Welfare Economics," in *New Palgrave: Dictionary of Economics*, op.cit.

¹²Ibid.

to give a series of lectures on Marxism for the students and faculty at the Russian Institute at Columbia. Bergson headed a comparative team of Soviet and Chinese specialists for an extensive fact-finding trip through China in 1983.

Bergson's legacy to future generations. Bergson's thinking and analyses of our times may continue to influence future generations of post-Soviet economic studies. Soviet economic studies founded and developed by Bergson may be disappearing as a unique sub-field in mainstream economics in the view of James Millar.¹³

My best guess is that comparative economic systems will be a victim of the collapse of Soviet socialism. The new paradigm for this region of the world is almost certainly going to be economic development, with an appropriate emphasis upon institution building for formerly centrally planned economies. This approach is suitably theoretical and prescriptive and thus compatible with mainstream economics.

Whatever the redefinition of Soviet economic studies may be, Bergson's legacy, his teachings, publications and modal may continue to be relevant and influential. Bergson's modal was to approach Soviet economic studies with the discipline of a mainstream economist. Bergson's legacy may already be influencing a new generation of Russian economists as they "replace the Marxist economic paradigm and the way economics was taught by the old regime, with modern western economics."¹⁴

¹³James Millar, op.cit.

¹⁴"Educating Russians in Modern Economics: New Economic School Enters Second Decade," *Transition*, World Bank, Sergei Guriev and Gur Ofer, April-May-June 2003/

Appendix A

Western Soviet Economists, Generations I, II, III, IV, V, and VI

Generation I: Before 1949

Wassily Leontief (USSR)
Alexander Gerschenkron (Austria)
Naum Jasny (USSR)
Calvin Hoover (Wisconsin, 1925)
Peter Swanish (Chicago, 1930)
Lazar Volin (Michigan, 1931)
Arthur Z. Arnold (Columbia, 1937)
Abram Bergson (Harvard, 1940)
Harry Schwartz (Columbia, 1943)
D. Gale Johnson (Iowa State, 1945)
Joseph Kershaw (Columbia, 1948)
CheeHsein Wu (Harvard, 1948)

Generation II: 1949-1958

Holland Hunter (Harvard, 1949)
M. Gardener Clark (Harvard, 1950)
Edward Ames (Harvard, 1952)

Bergson

David Granick (Columbia, 1951)
Henry H. Ware (Columbia, 1951)
Edward Janssens (Columbia, 1951)
John P. Hardt (Columbia, 1955)
Richard Moorstein (Columbia, 1956)
John M. Montias (Columbia, 1958)
Egon Neuberger (Harvard, 1958)

George J. Novak (Columbia, 1958)
Lynn Turgeon (Columbia, 1958)
A. David Redding (Columbia, 1958)
W. Donald Bowles (Columbia, 1958)
Abraham S. Becker (Columbia, 1958)
James H. Blackman (Columbia, 1958)

Gershenkron

Donald R. Hodgman (Harvard, 1951)
James F. Coogan (Harvard, 1952)
Franklyn D. Holzman (Harvard, 1953)
Gregory Grossman (Harvard, 1953)

Alexander Erlich (New School, 1953)
Joseph S. Berliner (Harvard, 1954)
Robert W. Campbell (Harvard, 1956)

Other

Mikhail V. Condoide (Ohio State, 1949)
Chris D. Calsoyas (Berkeley, 1949)
Phillip M. Raup (Wisconsin, 1950)
Vladimir Katkoff (Ohio State, 1950)
Robert A. Johnston (Northwestern, 1951)
John M. Letiche (Chicago, 1952)
Stanley H. Cohn (Chicago, 1952)
Robert Holloway (Stanford, 1952)

Nicholas Spulber (New School, 1952)
Morris Bornstein (Michigan, 1952)
Rush Greenslade (Chicago, 1953)
Raymond P. Powell (Berkeley, 1952)
Gertrude Schroeder (John Hopkins, 1953)
George Murphy (Washington, 1957)
Ted Osgood (Yale, 1957)
Benjamin Ward (Berkeley, 1958)

Generation III: 1959-1968

Bergson

Warren W. Eason (Columbia, 1959)
Jerzy Karcz (Columbia, 1959)
Norton T. Dodge (Harvard, 1960)
Jack Minkoff (Columbia, 1960)
Leon Smolinki (Columbia, 1960)
Herbert S. Levine (Harvard, 1961)
Marshall I. Goldman (Harvard, 1961)

Nicolas DeWitt (Harvard, 1962)
Janet G. Chapman (Columbia, 1965)
Barney Schwalberg (Harvard, 1966)
Charles E. Butler (Harvard, 1966)
Leonard Kirsch (Harvard, 1967)
Alan Brown (Harvard, 1967)
Gur Ofer (Harvard, 1968)

Other

John S. Hoyt (American, 1959)
Arkadius Kahan (Rutgers, 1959)
Glen A. Smith (Stanford, 1959)
Vladimir Bandera (Berkeley, 1960)
James H. Blackman (Columbia, 1960)
Judith Thornton (Harvard, 1960)
Murray Yankowitch (Columbia, 1960)
Zinowij L. Melnyk (Michigan State, 1961)
Bertrand N. Horowitz (Minnesota, 1962)
Richard Moorsteen (Columbia, 1962)
Frederic L. Pryor (Yale, 1962)
Vladimir G. Treml (North Carolina, 1963)
Earl Brubaker (Washington, 1964)
Andrzej Brzeski (Berkeley, 1964)
Harold J. Noah (Columbia, 1964)
Frank H. Sargent (George Washington, 1965)
James R. Millar (Cornell, 1965)

Alan Abouchar (Berkeley, 1965)
Carl B. Turner (Duke, 1965)
Francis M. Watters (Berkeley, 1966)
Wolodymyr Klachko (New York, 1966)
Walter J. Klages (Alabama, 1967)
Joyce E. Pickersgill (Washington, 1966)
Marvin R. Jackson Jr. (Berkeley, 1967)
David W. Conklin (MIT, 1967)
Michael Bradley (Cornell, 1967)
Francis W. Rushing (North Carolina, 1967)
Martin Weitzman (MIT, 1967)
Charles K. Wilbur (Maryland, 1967)
Elizabeth J.M. Clayton (Washington, 1968)
Curtis H. Knight (Indiana, 1968)
Paul Marer (Pennsylvania, 1968)

Carmelo R. Mesa-Lago (Cornell, 1968)

Generation IV: 1969-1978

Robert E. Athay (American, 1969)
Terence E. Byrne (Brown, 1969)
James R. Carter (Oregon, 1969)
Edward G. Dolan (Yale, 1969)
Rachel E. Golden (Columbia, 1969)
Paul Gregory (Harvard, 1969)
John M. Martin (Washington, 1969)
Wayne W. Sharp (Michigan State, 1969)
Yasushi Toda (Harvard, 1969)
Robert C. Stuart (Wisconsin, 1969)
Phillip M. Weitzman (Michigan, 1969)
Arthur W. Wright (MIT, 1969)
George Gorelik (Berkeley, 1970)
Edward A. Hewett (Michigan, 1971)
Stephen Sacks (Berkeley, 1971)
Martin C. Spechler (Harvard, 1971)
Manuel R. Agosin (Columbia, 1972)
John H. Wilhelm (Michigan, 1974)
Andrew Feltenstein (Yale, 1976)
Donald W. Green (Berkeley, 1972)
Craig L. Moser (Ohio State, 1974)
Corinne A. Guntzel (Illinois, 1972)

Phillip Grossman (American, 1970)
Norman Kaplan (Chicago, 1970)
Martin J. Kohn (Yale, 1970)
Michael E. Manove (MIT, 1970)
Joseph A. McKinney (Michigan State, 1970)
William Moskoff (Wisconsin, 1970)
Robert B. Skurski (Wisconsin, 1970)
Jean-Michael Beillard (Notre Dame, 1971)
Joseph Brada (Minnesota, 1971)
Norman E. Cameron (Michigan, 1971)
Ralph A. Fulchino (Georgetown, 1971)
Michael R. Dohan (MIT, 1970)
Murray Feshbach (American, 1974)
Barbara G. Katz (Pennsylvania, 1974)
John P. Lewis (Ohio State, 1974)
Roman Senkiew (Virginia, 1974)
James R. Thornton (Cornell, 1974)
Arthur Moses (Duke, 1975)
Laurie R. Kurtzweg (Duke, 1975)
Leo Yong-Gol Kim (George Washington, 1972)
Robert Dalton III (Missouri, Columbia, 1972)
Volkmar Liebscher (Southern Illinois, 1972)

Generation IV: 1969-1978 (continued)

Kenneth R. Gray (Wisconsin, 1976)
James P. Murray (New York, 1976)
Steven Rosefelde (Harvard, 1972)
Darius J. Conger (Oklahoma, 1974)
Christine Wollan (Illinois, 1972)
Scott Boaz (Arkansas, 1973)
John P. Bonin (Rochester, 1973)
Antonio M. Costa (Berkeley, 1973)
John C. Evans (Tufts, 1973)
John Farrell (Wisconsin, 1973)
Alice C. Gorlin (Michigan, 1973)
Peter J. Grandstaff (Duke, 1973)
James W. Gillula (Duke, 1978)
David P. Levine (Yale, 1973)
George C. Logusch (New York, 1973)
Andris Trapans (Berkeley, 1978)

Jeffrey Miller (Pennsylvania, 1976)
Carl H. McMillan (Johns Hopkins, 1972)
Peter Murrell (Pennsylvania, 1976)
Joseph Pelzman (Boston College, 1976)
Shannon R. Brown (Berkeley, 1974)
James A. Younker III (Northwestern, 1972)
William N. Turpin (George Washington, 1976)
Michael Marrese (Pennsylvania, 1977)
Sheldon T. Rabin (Johns Hopkins, 1977)
Marc Rubin (Pennsylvania, 1977)
Clark J. Chandler (Michigan, 1978)
Harold S. Gardner (Berkeley, 1978)
Sergei S. Kasakow Jr. (Washington State, 1973)
Michael D. Harsh (Washington, 1978)
George D. Holliday (George Washington, 1978)

Generation V: 1979-1988

Daniel Bond (North Carolina, 1979)
Richard E. Ericson (Berkeley, 1979)
Gene D. Guill (Duke, 1979)
Lyle D. Israelson (MIT, 1979)
Silvana Malle (Berkeley, 1979)
Poong Rhee (Illinois, 1979)
Merle W. Shoemaker (Syracuse, 1979)
Jeffrey Summers (Purdue, 1979)
Lenore S. Taga (Berkeley, 1979)
Bruce M. Everett (Tufts, 1980)
Susan G. Jacobs (Duke, 1982)
Wolfram Schrettl (Boston, 1982)
Keith W. Crane (Indiana, 1983)
Yoo Soo Hong (Northwestern, 1983)
Blaine E. McCants (Duke, 1983)
Judith A.R. McKinney (Indiana, 1983)
Ebrahim Sheibang (Indiana, 1983)
Robert S. Whitesell (North Carolina, 1983)
Voytek Zubek (SUNY, Buffalo, 1983)
Michael Aleexev (Duke, 1984)
Pedro F. Pellet (University of Miami, 1986)
Paul A. Goldberg (Columbia, 1984)
Barry W. Ickes (Berkeley, 1984)
John Parsons (Northwestern, 1984)
Jeanine D. Braithwaite (Duke, 1988)
Michael Hemeseth (Harvard, 1988)
Huizhong Zhou (Northwestern, 1984)
Stuart S. Brown (Columbia, 1985)
Vladmir Kontorovich (Pennsylvania, 1985)
Robert B. Koopman (Boston College, 1985)
Heidi A. Kroll (Berkeley, 1985)

David M. Kemme (Ohio State, 1980)
Susan Linz (Illinois, 1980)
John S. Pitzer (American, 1980)
Matthew J. Sagers (Ohio State, 1980)
Anna S. Kuniansky (Houston, 1981)
James B. Streets (Michigan, 1981)
Karen M. Brooks (Chicago, 1982)
Lorrie Jo Brown (Washington, 1982)
Richard C. Harmstone (Columbia, 1982)
Robert A. Walker (Southern California, 1979)
Michael L. Wyzan (North Carolina, 1979)
Victor Kamedrowsky (North Carolina, 1982)
Kent H. Osband (Berkeley, 1985)
Helen T. Otto (Houston, 1985)
Steven Popper (Berkeley, 1985)
Lung-Fai Wong (Minnesota, 1985)
William Liefert (Michigan, 1986)
Elisa B. Miller (Washington, 1986)
Janet Mitchell (Northwestern, 1986)
Perry L. Patterson (Northwestern, 1986)
David P. Apgar (Rand Graduate Institute, 1984)
Barry Kotlove (Davis, 1987)
Mark A. Prell (MIT, 1987)
Daniel Berkowitz (Columbia, 1988)
Ernest Raiklin (New School for Social Research, 1984)
Nicholas Kozlov (New Hampshire, 1988)
John Litwack (Pennsylvania, 1988)
Michael A. Murphy (Northwestern, 1988)
Yassaman Saadatmand (New Hampshire, 1988)
Michael Spagat (Harvard, 1988)

Generation VI: 1989-1992 (incomplete)

Greg Brock (Ohio State, 1989)	Christopher Martin (Berkeley, 1989)
Gary Krueger (Wisconsin, 1989)	Benjamin Slay (Indiana, 1989)
Andrew Boone (Houston, 1990)	Joshua D. Charap (Pennsylvania, 1990)
Abu Faij Dowlal (Southern California, 1990)	Mihaljek Dubravko (Pittsburgh, 1990)
Mark R. Lundell (Berkeley, 1990)	Jehoon Park (Ohio, 1990)
Gisela M. Esoe (Ohio, 1991)	Clifford G. Gaddy (Duke, 1991)
Thomas Richardson (Columbia, 1991)	David Sedik (Berkeley, 1991)
Alina Zapalska (Kentucky, 1991)	Helga Hessenius (Berkeley, 1992)
Anna Meyendorff (Berkeley, 1992)	

Appendix B

Abram Bergson, 1937-2003: Selected Writings

Journal Articles (Arranged in Chronological Order)

Bergson, Abram

“Real income, expenditure proportionality, and Frisch’s new methods of measuring marginal utility.” *Review of Economic Studies*, v. 4, no.1, Oct. 1936: 33-52.

-----.

“Socialist Economics”, *In A Survey of Contemporary Economics*. In H.S. Ellis, Philadelphia, Blakiston, 1949.

-----.

“Prices of basic industrial products in the USSR, 1928-50,” by Abram Bergson, Bernaut Roman and Lynn Turgeon. *Journal of political economy*, v. 64, no.4,1956: 303-328.

Deals with Soviet industrial price trends of the period 1928-50. The author also discusses some of the difficulties encountered in the collection of the relevant raw price data, as well as some of the methodological problems involved in an investigation of this type. He concludes that Soviet basic industrial prices rose substantially during the period 1928-50; they reached their peak in 1949 (667% of the 1938 level) and declined thereafter to a limited extent. The rise in prices in the period occurred almost entirely in the years 1933-41 and 1949.

-----.

“Market socialism revisited.” *The Journal of political economy*, v. 75, no. 5, Oct. 1967: 655-674.

-----.

“Development under two systems: comparative productivity growth since 1950.” *World politics*, v. 23, July 1971: 570-617.

A comparison of COMECON and OECD performance regarding economic development.

-----.

“On monopoly welfare losses.” *American economic review*, v. 53, Dec. 1973: 853-870.

-----.

“Toward a new growth model.” *Problems of communism*, v. 22, Mar.- Apr. 1973: 1-9.

“...argues that the escalating economic costs of forced-draft growth are compelling the Soviet regime to shift from the traditional Stalinist model toward a more balanced approach to economic development.”

-----.

“Soviet economic perspectives: toward a new growth model.” *Challenge*, v. 17, May-June 1974: 23-28.

“Soviet planners have found that more and more investment is needed to keep the capital stock growing at a steady pace. The result may be a reduced commitment to heavy industry.”

-----.

“The Soviet economic slowdown.” *Challenge*, v. 20, Jan.-Feb. 1978: 22-27.

“The Soviet economy is continuing to slow down. Declining rates of growth in capital investment and labor supply will make it difficult to reverse the trend.”

-----.

“Soviet economic slowdown and the 1981-85 plan.” *Problems of communism*, v. 30, May-June 1981: 24-36.

A review of the eleventh Five-Year Plan as approved by the 26th Congress of the Communist Party of the Soviet Union.

-----.

“Program development for numeric control computers using functionally equivalent modules,” by Abram Bergson and R. Raud. *Programming and computer software*, v. 7 (4), July-Aug. 1981: 50-6.

-----.

“Can the Soviet slowdown be reversed?” *Challenge*, v. 24, Nov.-Dec. 1981: 33-41.

“Even the modest growth targets of the new five-year plan may not be reached, given Soviet bureaucratic planning, technology lags, and the stress on defense spending instead of investments.”

-----.

“Income inequality under soviet socialism.” *Journal of economic literature*, v. 22(3) 1984: 1052-1099.

Although available data are scanty and analysis is tenuous, evidence suggests that the inequality of income distribution in the Soviet Union is not markedly different from that in Western nations and is not tending toward a more egalitarian distribution.

-----.

“Income inequality under Soviet socialism.” *Journal of economic literature*, v. 22, Sept. 1984: 1052-1099.

Discusses measures of income and income distribution, applies them to the Soviet experience and concludes that “among Western countries for which Lorenz-type data at all comparable to those available for the USSR are at hand, Sweden could well be one where inequality as so represented is no greater or less than in that country. Inequality in the USSR may not be much less than that in Norway and the United Kingdom, but is no doubt less than that in the United States and France.”

-----.

“Labor problems in light of perestroika,” by Abram Bergson, Vladimir G. Kostakov and Jerry Hough. *Soviet economy*, v. 4, Jan.-Mar. 1988: 95-101.

The Director of the Economics Research Institute of Gosplan, Vladimir Kostakov, outlines the fundamental Soviet labor problems to be addressed under perestroika. “Covers worker apathy, lack of discipline, poor correspondence between wages and the importance and skill level of various occupations, and unemployment and retraining He then responds to questions by American participants . . . on the role of cooperatives in absorbing surplus labor displaced by restructuring, and how responsibility for re-employment of dismissed employees will be delegated.”

-----.

“Comparative productivity: comment,” by Abram Bergson and Steven Rosefielde. *The American economic review*, Sept. 1990: 80, 4.

-----.

“Trade services and the measurements of comparative USSR-USA consumption.” *Journal of comparative economics*, v. 14, Sept. 1990: 493-510.

-----.

“The USSR before the fall: how poor and why.” *Journal of economic perspectives*, v. 5, fall 1991: 29-44.

-----.

“Must Soviet factor cost be adjusted?” *Comparative economic studies*, v. 33, winter 1991: 121-125.

-----.

“The USSR before the fall: how poor and why.” *Journal of economic perspectives*, v. 5 (4), 1991: 29-44.

Compares consumption in the Soviet Union in the 1980's to that in the United States and various European countries. Consumption per capita in the USSR was

less than 30% of that of the United States. Reasons for this low level of performance are low productivity of the work force, the emphasis on producing investment and defense goods, and Communist ideology.

-----.

“Soviet economic reform under Gorbachev: trials and errors.” In *From socialism to market economy: the transition problem*, edited by William S. Kern, Kalamazoo, MI, W. E. Upjohn Institute for Employment Research, 1992. p. 35-52.

“Paper presented October 17, 1990”

-----.

“Communist economic efficiency revisited.” *American economic review*, v. 82, May 1992: 27-30.

-----.

“The communist efficiency gap: alternative measures.” *Comparative economic studies*, v. 36, spring 1994: 27-30.

Drawn from a brief presentation made at the convention of the American Economic Association, January 3-5, 1992.

-----.

“Russia’s economic reform muddle.” *Challenge: the magazine of economic affairs*, v. 37, Sept./Oct. 1994: 56-59.

“An overview of Russia’s economic plight examines early reforms, the shortfalls of reform, recent encouraging developments, and the prospects for a more gradual economic transition; touches on the widening gap between rich and poor in Russia.”

-----.

“Reflections on economic Sovietology: a comment.” *Post-Soviet affairs*, v. 11, July-Sept. 1995: 235-237.

Formerly “Soviet economy” (1985-1992) (ISSN: 0882-6994). In response to Gertrude Schroeder’s article “Reflections on Economic Sovietology”, p. 197-234 of this issue.

-----.

“Neoclassical norms and the valuation of national product in the Soviet Union: Comment.” *Journal of comparative economics*, v. 21, Dec. 1995: 390-393.

“Response to Steven Rosefielde and Ralph W. Pfouts, “Neoclassical Norms and the Valuation of National Product in the Soviet Union and Its Postcommunist successor States” *Journal of Comparative Economics*, vol. 21, no. 3 (December 1995): 375-389.”

-----.

“The Big bang in Russia: an overview.” *Proceedings of the American philosophical society*, v. 139, Dec. 1995: 335-349.

-----.

“How big was Soviet GDP?” *Comparative economic studies*, v. 39, spring 1997: 1-14.

“Bergson assesses summarily the measures that have been compiled for the USSR for comparative GDP estimates and compares them with the controversial CIA data.”

-----.

“Accounting for war: Soviet production, employment and the defense burden, 1940-45.” *Journal of competitive economic*, v. 25 (3), Dec. 1997: 456-457.

-----.

“Wassily Leontief (1906-1999) - In-Memoriam.” *Proceedings of the American philosophical society*, v.144 (4), Dec. 2000: 465-468.

Books (Arranged in Chronological Order)

Bergson, Abram, 1914-

The structure of soviet wages; a study in socialist economics, Cambridge, Mass., Harvard university press, 1944. 255 p.

-----.

National income and the disposition of gross national product in adjusted rubles-USSR, 1940. Santa Monica, Calif., Rand Corp., 1949.

-----.

National income of the USSR in 1940: preliminary report. Santa Monica, Calif., Rand Corp., 1949.

-----.

Comparison of Bergson-Heymann and Baran calculations of Soviet national income for 1940. Santa Monica, Calif., Rand Corp., 1949.

-----.

Disposition of the gross national product of the USSR in 1948 in the terms of adjusted ruble prices. Santa Monica, Calif., Rand Corp., 1949.

-----.

On the territorial coverage of Soviet official statistics for years since 1939. Santa Monica, Calif., Rand Corp., 1949.

-----.

Profits and subsidies in Soviet economic accounts. Santa Monica, Calif., Rand Corp., 1950.

-----.

National economic accounts of the USSR in 1944: preliminary report. Santa Monica, Calif., Rand Corp., 1951.

-----.

Prices of basic chemical products in the Soviet Union, 1928-1950 [by] Abram Bergson [and] Roman Bernaut. 28 Aug. 1952. Santa Monica, Calif., Rand Corp., c1952.

-----.

Prices of iron and steel products in the Soviet Union, 1928-1950: a summary report [by] Abram Bergson and Lynn Turgeon. 26 March 1952. Santa Monica, Calif., Rand Corp., c1952.

-----.

Prices of ordinary rolled steel in the Soviet Union, 1928-1950. Santa Monica, Calif., Rand Corp., c1952.

-----.

Prices of basic chemical products in the Soviet Union, 1928-1950 [by] Abram Bergson [and] Roman Bernaut. 28 Aug. 1952. Santa Monica, Calif., Rand Corp., c1952.

-----.

Soviet economic growth: conditions and perspectives. Edited by Abram Bergson. Evanston, Ill., Row, Peterson [1953] 376 p.

-----.

Soviet national income and product in 1937. Westport, Conn., Greenwood Press [1970, c1953] 156 p.

-----.

CRS-7

Soviet national income and product, 1940-48, by Abram Bergson and Hans Heymann, Jr. New York, Columbia University Press, 1954. 249 p.

- *Prices of quality rolled steel in the Soviet Union, 1928-1950*. Revised 1 February 1955. Santa Monica, Calif., Rand Corp., c1955. v. 62.
- *Planning and performance in socialist economies: The USSR and Eastern Europe*. Boston, MA, Unwin Hyman 1989: 304.
Book reviews: Gertrude Schroeder, *Comparative Economic Studies* 32, no. 4 (Winter 1990): 107-109. Jean Tesche, *Slavic Review* 50, no. 3 (Fall 1991): 694-695.
- *Prices of cement in the Soviet Union, 1928-1950*. Santa Monica, Calif., Rand Corporation, 1953.
- *Prices of non-ferrous metals in the Soviet Union, 1928 to 1950*, by Lynn Turgeon and Abram Bergson. Santa Monica, Calif., Rand Corp., 1953.
- *Prices of paints in the Soviet Union, 1928-1950*. Revised 7 Dec. 1954. Santa Monica, Calif., Rand Corp., c1955.
- *Prices of basic chemical products in the Soviet Union, 1928-1950*. Santa Monica, Calif., Rand Corp., c1955.
- *Prices of ordinary rolled steel in the Soviet Union, 1928-1950*. Revised 10 Dec. 1954. Santa Monica, Calif., Rand Corp., c1955.
- *Basic industrial prices in the USSR, 1928-1950*. Santa Monica, Rand Corp., c1956.
- *Prices of basic industrial goods in the USSR, 1950 to 1956: a preliminary report*, by Abram Bergson and Lynn Turgeon. Santa Monica, Calif., Rand Corp., c1957.
77 p.
- *Soviet national income*. [Prepared for] Conference on Economics of Soviet Industrialization, Princeton, New Jersey, May 6-8, 1961 [by] Abram Bergson. Santa Monica, Calif., Reproduced by the Rand Corp., 1960.
-

CRS-8

Soviet national income and product, 1928-48: revised data, by Abram Bergson, Hans Heymann, Jr. and Oleg Hoeffding. Santa Monica, Calif., Rand Corp., 1960. 132 p.

-----.

The real national income of Soviet Russia since 1928. Cambridge, Harvard, University Press, 1961. 472 p.

-----.

Economic trends in the Soviet Union. Edited by Abram Bergson and Simon Suznets. Cambridge, Harvard University Press, 1963. 392 p.

-----.

The economics of Soviet planning. New Haven, Yale University Press, 1964. 394 p.

-----.

Essays in normative economics. Cambridge, Belknap Press of Harvard University Press, 1966. 246 p.

-----.

Planning and productivity under Soviet socialism. [Pittsburg] Carnegie-Mellon University; distributed by Columbia University Press, New York [1968] 95 p.

-----.

Soviet post-war economic development. Stockholm, Almqvist & Wiksell (distr.), 1974. 87 p.

-----.

Productivity and the social system: the USSR and the West. Cambridge, Mass., Harvard University Press, 1978. 256 p.

-----.

Economic welfare and the economics of Soviet socialism: essays in honor of Abram Bergson. Edited by Steven Rosefielde. Cambridge [Cambridgeshire] New York, Cambridge University Press, 1981. 340 p.

-----.

Welfare, planning, and employment: selected essays in economic theory. Cambridge, Mass., MIT Press, c1982. 297 p.

-----.

The Soviet economy: toward the year 2000. Edited by Abram Bergson and Herbert S. Levine. London, Boston, G. Allen & Unwin, 1983. 452 p.

-----.

Entrepreneurship: the Bonn-Harvard Schumpeter centennial, Bonn, September 1983. Edited by Dieter Bös, Abram Bergson, and John R. Meyer. Wien, New York, Springer-Verlag, c1984. 218 p.

-----.

Planning and performance in socialist economies: the USSR and Eastern Europe. Boston, Unwin Hyman, 1989. 304 p.

The author wishes to thank Sherry Shapiro and Ann Eschete for their efforts in the production of this bibliography.