CLASSIFICATION

CENTRAL INTELLIGENCE AGENCY INFORMATION FROM

FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

50X1-HUM

USSR

DATE OF

CD NO.

INFORMATION 1949

COUNTRY

Scientific SUBJECT

HOW

Periodicals

DATE DIST. 3/ May 1950

WHERE

PUBLISHED

PUBLISHED HSSR U.875

NO. OF PAGES

DATE

PUBLISHED

1948 - 1949

SUPPLEMENT TO

LANGUAGE Russian REPORT NO.

THIS IS UNEVALUATED INFORMATION

SOURCE

Periodicals as indicated.

NUMERICAL COUNT OF SOVIET SCIENTIFIC ARTICLES FOR 1948 - 1949

Explanation '

This report presents a tabulation by scientific category of articles which appeared during 1948 and 1949 in Soviet scientific and technical periodicals. A list of the periodicals covered by this survey appears in Part C below.

The figures presented were determined in two steps: (1) an actual count of the articles in all periodicals available (50 to 90 percent of the issues of periodicals listed in Part C); and (2) interpolation of the number of articles for issues not available. Due to the regularity of publication of articles in certain categories, as found by actual counting, the figures arrived at by interpolation may be assumed to be reasonably accurate.

The figures given in the tabulation cover 2-month periods for the years 1948 and 1949, with the totals for the entire 2-year period.

In the breakdowns of scientific categories, the following should be noted:

- 1. "Fuels and propellants" includes flame and combustion studies and articles on lubricants.
- 2. "Industrial research subjects" includes articles on physical and medical technology.
 - 3. "Agricultural research" includes soil studies and veterinary science.
- 4. "Biological warfare" includes only studies on antibiotics. No other articles which pertain to this category were found.
 - 5. "Psychology" covers psychiatry and nervous diseases.
- 6. "General scientific" comprises all chemical, physical, and biological ticles which do not fall under more specific categories and all other material in the periodical literature which was surveyed.

Since this tabulation is limited to selected subjects, the figures presented will not represent apportionment of the entire Soviet scientific effort.

CLASSIFICATION NSRB ! STATE

SECRET

50X1-HUM

B. Tabulation of Articles by Subject Category

			194	<u>8</u>					<u> 1949</u>	1			
	Jan Feb	Mar Apr	May Jun	Jul Aug	Sep Oct	Nov Dec	Jan Feb	Mar Apr	May Jun	Jul Aug	Sep Oct	Nov Dec	Total
Nuclear physics	8	9	13	14	21	13	10	13	14	21	14	18	168
Cosmic ray studies	1	8	10	17	5	2	3	5	1	8	2	6	68
Electronics	107	104	112	113	103	103	81	101	85	85	84	95	1,173
Aerodynamics	1	1	4	3	1	2	1	1	3	3	4	0	24
Fuels and propellants	12	14	12	17	18	10	14	17	17	12	15	12	170
Industrial technology	156	155	139	133	149	157	151	181	186	183	155	158	1,903
Chemical warfare	6	7	3	2	3	3	2	1	1	2	4	2	36
Organic chemistry	78	75	92	63	71	60	68	70	76	85	72	62	873
Mineralogy	10	16	12	7	35	15	9	8	8	8	8	11	127
Agricultural research	90	107	85	98	97	103	104	151	105	120	100	113	1,243
BW, Antibi- otics	16	21	25	16	10	17	32	17	12	26	19	21	222
Biochemistry	28	24	24	27	28	24	25	27	29	29	25	29	319
Bacteriology	19	11	16	12	16	21	13	16	12	14	14	14	178
Virus dis- eases	48	55	49	56	48	51	60	67	42	68	50	54	648
Psychology	32	31 ⁱ	33	31	32	51	32	38	34	32	35	35	399
Mathematics	48	58	63	55	53	50	52	54	56	46	46	46	627
General scientific	699	703	750	7.14	731	744	677	755	722	708	725	774	8,702

SEGRET

50X1-HUM	50	XC	1-	Н	U	M
----------	----	----	----	---	---	---

SECRET

Totals fo	r 1948	Totals for	1949
Jan - Feb	1,359	Jan - Feb	1,334
	1,403	Mar - Apr	1,482
Mar - Apr	1,442	May - Jun	1,403
May - Jun	,	Jul - Aug	1,450
Jul - Aug	1,378	Sep - Oct	1,372
Sep - Oct	1,401	_	1,450
Nov - Dec	1,406	Nov - Dec	1,470

C. List of Periodicals

Agrobiologiya (Agricultural Biology)

Arkhiv Patologii (Archive of Pathology)

Astronomicheskiy Zhurnal (Astronomical Journal)

Avtomatika i Telemekhanika (Automechanics and Telemechanics)

Biokhimiya (Biochemistry)

Botanicheskiy Zhurnal (Botanical Journal)

Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Biologicheskiy (Bulletin of the Moscow Society of Naturalists, Biological Section)

Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel Geologicheskiy (Bulletin of the Moscow Society of Naturalists, Geological Section)

Doklady Akademii Nauk SSSR (Reports of the Academy of Sciences USSR)

Doklady Vsesoyuznoy Akademii Sel'skokhozyaystvennykh Nauk imeni V. I. Lenina (Reports of the All-Union Academy of Agricultural Sciences imeni V. I. Lenin)

Elektrichestvo (Electricity)

Fiziologicheskiy Zhurnal SSSR imeni I. M. Sechenova (Physiological Journal of the USSR imeni I. M. Sechenov)

Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk (News of the Academy of Sciences USSR, Department of Chemical Sciences)

Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk (News of the Academy of Sciences USSR, Department of Technical Sciences)

Izvestiya Akademii Nauk SSSR, Seriya Biologicheskaya (News of the Academy of Sciences USSR, Biology Series)

Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya (News of the Academy of Sciences USSR, Physics Series)

Izvestiya Akademii Nauk SSSR, Seriya Geograficheskaya I Geofizicheskaya (News of the Academy of Sciences USSR, Geography and Geophysics Series)

Sister I

50X1-HUM

Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya (News of the Academy of Sciences USSR, Geology Series)

Izvestiya Akademii Nauk SSSR, Seriya Matematicheskaya (News of the Academy of Sciences USSR, Mathematics Series)

Khirurgiya (Surgery)

Klinicheskaya Meditsina (Clinical Medicine)

Kolloidnyy Zhurnal (Colloid Journal)

Matematicheskiy Sbornik (Mathematics Symposium)

Meditsinskaya Promyshlennost' SSSR (Medical Industry of the USSR)

Meditsinskaya Sestra (Medical Nurse)

Mikrobiologiya (Microbiology)

Nauka i Zhizn' (Science and Life)

Nevropatologiya i Psikhiatriya (Neuropathology and Psychiatry)

Pochvovedeniye (Soil Science)

Prikladnaya Matematika i Mekhanika (Applied Mathematics and Mechanics)

Priroda (Nature)

Problemy Tuberkuleza (Problems of Tuberculosis)

Radio (Radio)

Radiotekhnika (Radio Mechanics)

Sovetskaya Meditsina (Soviet Medicine)

Terapevticheskiy Arkhiv (Archive of Therapeutics)

Uspekhi Fizicheskikh Nauk (Progress of Physical Sciences)

Uspekhi Khimii (Progress of Chemistry)

Uspekhi Matematicheskikh Nauk (Progress of Mathematical Sciences)

Uspekhi Sovremennoy Biologii (Progress of Contemporary Biology)

Vestnik Akademii Meditsinskikh Nauk SSSR (Herald of the Academy of Medical Sciences USSR)

Vestnik Akademii Nauk SSSR (Herald of the Academy of Sciences USSR)

Vestnik Elektro-Promyshlennosti (Herald of the Electrical Industry)

Vestnik Khirurgii imeni Grekova (Herald of Surgery imeni Grekov)

Vestnik Svyazi -- Elektrosvyaz' (Herald of Communications -- Electrocommunications)

SECRET

Sanitized Copy Approved for Release 2011/08/17: CIA-RDP80-00809A000600310582-1

SECTION

50X1-HUM

Vestnik Venerologii i Dermatologii (Herald of Venereology and Dermatology)

Veterinariya (Veterinary Science)

Voprosy Neyrokhirurgii (Problems of Neurosurgery)

Zavodskaya Laboratoriya (Plant Laboratory)

Zhurnal Analiticheskoy Khimii (Journal of Analytical Chemistry)

Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki (Journal of Experimental

Zhurnal Fizicheskoy Khimii (Journal of Physical Chemistry)

Zhurnal Obshchey Biologii (Journal of General Biology)

Zhurnal Obshchey Khimii (Journal of General Chemistry)

Zhurnal Prikladnoy Khimii (Journal of Applied Chemistry)

Zhurnal Tekhnicheskikh Fiziki (Journal of Technical Physics)

Zoologicheskiy Zhurnal (Zoological Journal)

- E N D -