

Monthly Table of Contents

Per/Index QCI-C82

CPM 7901A	Page	Frame
Review of Scientific Instruments December 78, vol. 49, no. 12	1617- 1752	0001- 0136
*Physical Review C October 78, vol. 18, no. 4	1559- 1952	0137- 0530
Physics of Fluids December 78, vol. 21, no. 12	2129- 2372	0531- 0774
Astronomical Journal December 78, vol. 83, no. 12	1469- 1680	0775- 0986
Journal of Vacuum Science and Technology November 78, vol. 15, no. 6	1797- 1864	0987- 1054
American Journal of Physics December 78, vol. 46, no. 12	1209- 1294	1055- 1140
Applied Physics Letters 15 December 78, vol. 33, no. 12	0979- 1036	1141- 1198
*Physical Review C November 78, vol. 18, no. 5	1953- 2456	1199- 1702
Optics Letters January 79, vol. 4, no. 1	0001- 0048	1703- 1750

CPM 7901B	Page	Frame
Journal of the Acoustical Society of America December 78, vol. 64, no. 6	1561- 1846	0001- 0286
*Journal of Chemical Physics 1 December 78, vol. 69, no. 11	4713- 5214	0287- 0788
Physical Review B 1 October 78, vol. 18, no. 7	2973- 3760	0789- 1576
Physical Review D 15 October 78, vol. 18, no. 8	2727- 3060	1577- 1910

CPM 7901C	Page	Frame
*Physical Review A November 78, vol. 18, no. 5	1765- 2398	0001- 0634
Physical Review D 1 November 78, vol. 18, no. 9	3061- 3522	0635- 1096
Physical Review C December 78, vol. 18, no. 6	2457- 2816	1097- 1456
Physical Review D 15 November 78, vol. 18, no. 10	3523- 3898	1457- 1832

CPM 7901D	Page	Frame
Bulletin of the American Physical Society 78, vol. 23, index	1137- 1174	0001- 0038
Optics News 78, vol. 4, no. 4	0001- 0032	0039- 0070
Applied Optics 15 December 78, vol. 17, no. 24	3851- 4054	0071- 0274
Journal of Physical and Chemical Reference Data 78, vol. 7, no. 4	1267- 1782	0275- 0790
Astronomical Journal January 79, vol. 84, no. 1	0001- 0148	0791- 0938
Physical Review B 1 November 78, vol. 18, no. 9	4561- 5122	0939- 1500
Physical Review A December 78, vol. 18, no. 6	2399- 2744	1501- 1846

CPM 7901E	Page	Frame
Review of Scientific Instruments January 79, vol. 50, no. 1	0001- 0146	0001- 0146
Bulletin of the American Physical Society January 79, vol. 24, no. 1	0001- 0092	0147- 0238
Applied Optics 1 January 79, vol. 18, no. 1	0001- 0140	0239- 0378
Physics Teacher January 79, vol. 17, no. 1	0001- 0072	0379- 0450
Physical Review B 15 October 78, vol. 18, no. 8	3767- 4552	0451- 1236
Physical Review D 1 December 78, vol. 18, no. 11	3905- 4360	1237- 1692
Physics Today January 79, vol. 32, no. 1	0001- 0136	1693- 1828
Physical Review Letters 8 January 79, vol. 42, no. 2	0079- 0134	1829- 1884
Physical Review Letters 15 January 79, vol. 42, no. 3	0135- 0196	1885- 1946

CPM 7901X	Page	Frame
Soviet Technical Physics Letters January 78, vol. 4, no. 1	0001- 0052	0001- 0052

PERIODICALS SECTION

FEB 26 1979

MINN
UNIVERSITY LIBRARY

Soviet Physics - Doklady January 79, vol. 23, no. 1	0001- 0090	0053 0142	Soviet Journal of Low Temperature Physics January 78, vol. 4, no. 1	0001- 0068	0937- 1004
Soviet Physics - Technical Physics January 78, vol. 23, no. 1	0001- 0122	0143- 0264	Soviet Technical Physics Letters March 78, vol. 4, no. 3	0099- 0148	1005- 1054
Soviet Physics - Doklady February 78, vol. 23, no. 2	0091- 0150	0265- 0324	Soviet Physics - Technical Physics February 78, vol. 23, no. 2	0123- 0252	1055- 1184
Soviet Technical Physics Letters February 78, vol. 4, no. 2	0053- 0098	0325- 0370	Soviet Astronomy March 78, vol. 22, no. 2	0125- 0256	1185- 1316
Soviet Astronomy January 78, vol. 22, no. 1	0001- 0124	0371- 0494	Soviet Journal of Quantum Electronics April 78, vol. 8, no. 4	0423- 0552	1317- 1446
Soviet Journal of Optical Technology January 78, vol. 45, no. 1	0001- 0068	0495- 0562	Soviet Physics - Technical Physics March 78, vol. 23, no. 3	0253- 0382	1447- 1576
Soviet Journal of Particles and Nuclei November 77, vol. 8, no. 6	0485- 0594	0563- 0672	Soviet Physics - Uspekhi January 78, vol. 21, no. 1	0001- 0094	1577- 1670
Soviet Physics - JETP December 77, vol. 46, no. 6	1041- 1242	0673 0874	Soviet Journal of Optical Technology February 78, vol. 45, no. 2	0069- 0132	1671- 1734
Soviet Physics - Doklady March 78, vol. 23, no. 3	0151- 0212	0875 0936	JETP Letters 5 May 78, vol. 27, no. 9	0449- 0512	1735- 1798

*PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)

Journal issues indentified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

- D.S. Flynn et al., Phys. Rev. C, Vol. 18, No. 4 (October 1978) p. 1566 (21 pages, 1 fiche)
 B.D. Kern et al., Phys. Rev. C, Vol. 18, No. 4 (October 1978) p. 1938 (10 pages, 1 fiche)
 N.B.J. Tannous et al., Phys. Rev. C, Vol. 18, No. 5 (November 1978) p. 2190 (8 pages, 1 fiche)
 G.P.A. Berg et al., Phys. Rev. C, Vol. 18, No. 5 (November 1978) p. 2204 (4 pages, 1 fiche)
 R. Caputo et al., J. Chem. Phys., Vol. 69, No. 11 (1 Dec. 1978) p. 4976 (11 pages, 1 fiche)
 H.J. Silverstone, Phys. Rev. A, Vol. 18, No. 5 (November 1978) p. 1853 (25 pages, 1 fiche)

Monthly Table of Contents

February
1979

CPM 7902A	Page	Frame
Journal of Mathematical Physics December 78, vol. 19, no. 12	2405- 2666	0001- 0262
Journal of Applied Physics November 78, vol. 49, no. 11	5351- 5688	0263- 0600
Journal of Chemical Physics 15 December 78, vol. 69, no. 12	5215- 5564	0601- 0950
Journal of Applied Physics December 78, vol. 49, no. 12	5699- 6202	0951- 1454
Journal of Mathematical Physics January 79, vol. 20, no. 1	0001- 0218	1455- 1672
Journal of the Optical Society of America November 78, vol. 68, no. 11	1465- 1650	1673- 1858

CPM 7902B	Page	Frame
Physics of Fluids January 79, vol. 22, no. 1	0001- 0202	0001- 0202
Applied Physics Letters 1 January 79, vol. 34, no. 1	0001- 0120	0203- 0322
Journal of Applied Physics January 79, vol. 50, no. 1	0001- 0566	0323- 0888
Journal of Chemical Physics 1 January 79, vol. 70, no. 1	0001- 0600	0889- 1488
Applied Physics Letters 15 January 79, vol. 34, no. 2	0123- 0178	1489- 1544
American Journal of Physics January 79, vol. 47, no. 1	0001- 0124	1545- 1668
Applied Optics 15 January 79, vol. 18, no. 2	0141- 0252	1669- 1780
Optics Letters February 79, vol. 4, no. 2	0049- 0074	1781- 1806
Physical Review Letters 1 January 79, vol. 42, no. 1	0001- 0078	1807- 1884

CPM 7902C	Page	Frame
AIP Conference Proceedings 78, no. 48	0001- 0178	0001- 0178
Journal of the Acoustical Society of America January 79, vol. 65, no. 1	0001- 0296	0179- 0474
Review of Scientific Instruments February 79, vol. 50, no. 2	0147- 0276	0475- 0604
Astronomical Journal February 79, vol. 84, no. 2	0149- 0280	0605- 0736

Physical Review B 15 November 78, vol. 18, no. 10	5131- 5912	0737- 1518
*Physical Review C January 79, vol. 19, no. 1	0001- 0298	1519- 1816
Physical Review Letters 26 February 79, vol. 42, no. 9	0545- 0614	1817- 1886

CPM 7902D	Page	Frame
Physical Review D 15 December 78, vol. 18, no. 12	4367- 4822	0001- 0456
Physical Review B 1 December 78, vol. 18, no. 11	5921- 6402	0457- 0938
Physical Review B 15 December 78, vol. 18, no. 12	6411- 7192	0939- 1720
Physical Review Letters 22 January 79, vol. 42, no. 4	0197- 0282	1721- 1806
Physical Review Letters 19 February 79, vol. 42, no. 8	0481- 0544	1807- 1870

CPM 7902E	Page	Frame
Applied Spectroscopy January 79, vol. 33, no. 1	0001- 0104	0001- 0104
Applied Optics 1 February 79, vol. 18, no. 3	0253- 0408	0105- 0260
Physical Review Letters 29 January 79, vol. 42, no. 5	0283- 0338	0261- 0316
Physics Teacher February 79, vol. 17, no. 2	0073- 0144	0317- 0388
*Physics Today February 79, vol. 32, no. 2	0001- 0104	0389- 0492
Physical Review Letters 5 February 79, vol. 42, no. 6	0339- 0412	0493- 0566
Physical Review D 1 January 79, vol. 19, no. 1	0001- 0412	0567- 0978
Bulletin of the American Physical Society February 79, vol. 24, no. 2	0093- 0220	0979- 1106
Physical Review Index 77, no. 16	0001- 0298	1107- 1404
Physical Review C February 79, vol. 19, no. 2	0299- 0566	1405- 1672
Physical Review Letters 12 February 79, vol. 42, no. 7	0413- 0480	1673- 1740
Applied Optics 15 February 79, vol. 18, no. 4	0409- 0580	1741- 1912

CPM 7902X	Page	Frame			
Soviet Journal of Nuclear Physics December 77, vol. 26, no. 6	0601- 0688	0001- 0088	Soviet Physics-Doklady May 78, vol. 23, no. 5	0283- 0354	0875- 0946
Soviet Journal of Optical Technology March 78, vol. 45, no. 3	0133- 0204	0089- 0160	Soviet Technical Physics Letters April 78, vol. 4, no. 4	0149- 0198	0947- 0996
Soviet Journal of Nuclear Physics January 78, vol. 27, no. 1	0001- 0154	0161- 0314	Soviet Technical Physics Letters May 78, vol. 4, no. 5	0199- 0250	0997- 1048
JETP Letters 20 May 78, vol. 27, no. 10	0517- 0570	0315- 0368	Soviet Journal of Low Temperature Physics March 78, vol. 4, no. 3	0133- 0200	1049- 1116
JETP Letters 5 June 78, vol. 27, no. 11	0573- 0632	0369- 0428	Soviet Physics-Solid State June 78, vol. 20, no. 6	0927- 1110	1117- 1300
Soviet Physics-Doklady April 78, vol. 23, no. 4	0213- 0282	0429- 0498	Soviet Astronomy Letters May 78, vol. 4, no. 3	0111- 0158	1301- 1348
Soviet Journal of Low Temperature Physics February 78, vol. 4, no. 2	0069- 0132	0499- 0562	Soviet Physics-Semiconductors July 78, vol. 12, no. 7	0741- 0862	1349- 1470
Soviet Journal of Quantum Electronics May 78, vol. 8, no. 5	0555- 0676	0563- 0684	Soviet Journal of Quantum Electronics June 78, vol. 8, no. 6	0677- 0808	1471- 1602
Soviet Physics-Solid State May 78, vol. 20, no. 5	0737- 0926	0685- 0874	Soviet Physics-JETP January 78, vol. 47, no. 1	0001- 0208	1603- 1810
			Soviet Physics-Acoustics July 78, vol. 24, no. 4	0267- 0360	1811- 1904

***PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)**

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

W. J. Thompson et al., Phys. Today, Vol. 32, No. 2 (February 1979) p. 32 (11 pages, 1 fiche)
 G. Bruge et al., Phys. Rev. C, Vol. 1, No. 19 (January 1979) p. 19 (27 pages, 1 fiche)
 J. E. Park et al., Phys. Rev. C, Vol. 19, No. 1 (January 1979) p. 42 (3 pages, 1 fiche)

Monthly Table of Contents

Per Index Q C 1. C82

CPM 7903A	Page	Frame
Applied Physics Letters 1 February 79, vol. 34, no. 3	0179- 0244	0001- 0066
Journal of Applied Physics February 79, vol. 50, no. 2	0569- 1168	0067- 0666
Journal of Chemical Physics 15 January 79, vol. 70, no. 2	0601- 1074	0667- 1140
Journal of Mathematical Physics February 79, vol. 20, no. 2	0219- 0344	1141- 1266
Physics of Fluids February 79, vol. 22, no. 2	0203- 0392	1267- 1456
American Journal of Physics February 79, vol. 47, no. 2	0125- 0210	1457- 1542
Applied Physics Letters 15 February 79, vol. 34, no. 4	0247- 0302	1543- 1598
Journal of the Acoustical Society of America February 79, vol. 65, no. 2	0297- 0564	1599- 1866

CPM 7903B	Page	Frame
*Journal of Chemical Physics 1 February 79, vol. 70, no. 3	1075- 1580	0001- 0506
Journal of Vacuum Science and Technology January 79, vol. 16, no. 1	0001- 0094	0507- 0600
Medical Physics January 79, vol. 6, no. 1	0001- 0074	0601- 0674
Physical Review B 1 January 79, vol. 19, no. 1	0001- 0536	0675- 1210
Journal of the Optical Society of America December 78, vol. 68, no. 12	1651- 1794	1211- 1354
Physical Review A January 79, vol. 19, no. 1	0001- 0422	1355- 1776
Optics Letters March 79, vol. 4, no. 3	0075- 0102	1777- 1804
Physical Review Letters 5 March 79, vol. 42, no. 10	0615- 0682	1805- 1872

CPM 7903C	Page	Frame
Physical Review D 15 January 79, vol. 19, no. 2	0413- 0728	0001- 0316
Bulletin of the American Physical Society March 79, vol. 24, no. 3	0221- 0548	0317- 0644
Physical Review D 1 February 79, vol. 19, no. 3	0731- 1028	0645- 0942

Physics Teacher March 79, vol. 17, no. 3	0145- 0216	0943 1014
Journal of Chemical Physics 15 February 79, vol. 70, no. 4	1581- 2050	1015- 1484
Physics of Fluids March 79, vol. 22, no. 3	0393- 0598	1485- 1690
Review of Scientific Instruments March 79, vol. 50, no. 3	0279- 0402	1691- 1814

CPM 7903D	Page	Frame
Applied Optics 1 March 79, vol. 18, no. 5	0581- 0744	0001- 0164
Journal of the Acoustical Society of America 78, vol. 64, supplement no. 2	0001- 0414	0165- 0578
Physical Review Letters 12 March 79, vol. 42, no. 11	0683- 0746	0579- 0642
Physics Today March 79, vol. 32, no. 3	0001- 0144	0643- 0786
Applied Optics 15 March 79, vol. 18, no. 6	0745- 0940	0787- 0982
Physical Review Letters 19 March 79, vol. 42, no. 12	0747- 0818	0983 1054
Journal of Physical and Chemical Reference Data 79, vol. 8, no. 1	0001- 0302	1055- 1356
Physical Review C March 79, vol. 19, no. 3	0569- 1148	1357- 1936

CPM 7903X	Page	Frame
Soviet Physics-Technical Physics April 78, vol. 23, no. 4	0383- 0510	0001- 0128
Soviet Journal of Plasma Physics March 78, vol. 4, no. 2	0135- 0268	0129- 0262
JETP Letters 20 June 78, vol. 27, no. 12	0637- 0670	0263- 0296
JETP Letters 5 July 78, vol. 28, no. 1	0001- 0052	0297- 0348
Optics and Spectroscopy May 78, vol. 44, no. 5	0495- 0610	0349- 0464
Soviet Astronomy May 78, vol. 22, no. 3	0257- 0382	0465- 0590
Soviet Journal of Nuclear Physics February 78, vol. 27, no. 2	0157- 0308	0591- 0742

Soviet Journal of Optical Technology April 78, vol. 45, no. 4	0205- 0270	0743- 0808	Soviet Journal of Low Temperature Physics June 78, vol. 4, no. 6	0327- 0386	1241- 1300
Soviet Journal of Low Temperature Physics April 78, vol. 4, no. 4	0201- 0264	0809- 0872	Soviet Physics-Technical Physics May 78, vol. 23, no. 5	0511- 0612	1301- 1402
Soviet Journal of Quantum Electronics July 78, vol. 8, no. 7	0809- 0934	0873- 0998	Soviet Astronomy Letters July 78, vol. 4, no. 4	0159- 0208	1403- 1452
Soviet Physics-Solid State July 78, vol. 20, no. 7	1111- 1292	0999- 1180	Soviet Physics-Crystallography May 78, vol. 23, no. 3	0251- 0378	1453- 1580
Soviet Journal of Low Temperature Physics May 78, vol. 4, no. 5	0265- 0324	1181- 1240	Soviet Physics-JETP February 78, vol. 47, no. 2	0209- 0418	1581- 1790
			JETP Letters 20 July 78, vol. 28, no. 2	0055- 0096	1791- 1832

***PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)**

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

G. Corongiu et al., J. Chem. Phys., Vol. 70, No. 3 (1 February 1979) p. 1266 (11 pages, 1 fiche)

Monthly Table of Contents

CPM 7904A	Page	Frame
Applied Physics Letters 1 March 79, vol. 34, no. 5	0305- 0352	0001- 0048
Applied Physics Letters 15 March 79, vol. 34, no. 6	0353- 0420	0049- 0116
Journal of Chemical Physics 1 March 79, vol. 70, no. 5	2051- 2586	0117- 0652
Journal of Mathematical Physics March 79, vol. 20, no. 3	0345- 0532	0653- 0840
Journal of the Acoustical Society of America March 79, vol. 65, no. 3	0565- 0880	0841- 1156
American Journal of Physics March 79, vol. 47, no. 3	0211- 0298	1157- 1244
*Astronomical Journal March 79, vol. 84, no. 3	0281- 0436	1245- 1400

CPM 7904B	Page	Frame
Journal of the Optical Society of America January 79, vol. 69, no. 1	0001- 0208	0001- 0208
Optics Letters April 79, vol. 4, no. 4	0103- 0128	0209- 0234
Physical Review Letters 26 March 79, vol. 42, no. 13	0819- 0856	0235- 0272
Physics Teacher April 79, vol. 17, no. 4	0217- 0280	0273- 0336
Applied Physics Letters 1 April 79, vol. 34, no. 7	0423- 0478	0337- 0392
Physics of Fluids April 79, vol. 22, no. 4	0599- 0804	0393- 0598
Review of Scientific Instruments April 79, vol. 50, no. 4	0403- 0522	0599- 0718
Bulletin of the American Physical Society April 79, vol. 24, no. 4	0549- 0734	0719- 0904
Applied Optics 1 April 79, vol. 18, no. 7	0941- 1122	0905- 1086
Journal of the Optical Society of America February 79, vol. 69, no. 2	0211- 0382	1087- 1258
Physical Review Letters 2 April 79, vol. 42, no. 14	0859- 0930	1259- 1330

Optics News 79, vol. 5, no. 1	0001- 0052	1331- 1382
Physics Today April 79, vol. 32, no. 4	0005- 0096	1383- 1474

CPM 7904C	Page	Frame
Physical Review D 15 February 79, vol. 19, no. 4	1033- 1284	0001- 0252
Physical Review D 1 March 79, vol. 19, no. 5	1287- 1630	0253- 0596
Physical Review Letters 9 April 79, vol. 42, no. 15	0931- 1020	0597- 0686
Applied Optics 15 April 79, vol. 18, no. 8	1123- 1280	0687- 0844
Applied Spectroscopy March 79, vol. 33, no. 2	0105- 0198	0845- 0938
Physical Review Letters 16 April 79, vol. 42, no. 16	1021- 1096	0939- 1014
Journal of the Optical Society of America March 79, vol. 69, no. 3	0383- 0490	1015- 1122
Physical Review Letters 23 April 79, vol. 42, no. 17	1099- 1186	1123- 1210

CPM 7904X	Page	Frame
Soviet Physics-Uspekhi February 78, vol. 21, no. 2	0095- 0184	0001- 0090
Soviet Journal of Particles and Nuclei January 78, vol. 9, no. 1	0001- 0090	0091- 0180
Soviet Physics-JETP March 78, vol. 47, no. 3	0419- 0630	0181- 0392
Optics and Spectroscopy June 78, vol. 44, no. 6	0611- 0716	0393- 0498
Soviet Journal of Nuclear Physics March 78, vol. 27, no. 3	0309- 0458	0499- 0648
Soviet Journal of Quantum Electronics August 78, vol. 8, no. 8	0935- 1062	0649- 0776
Soviet Physics-Semiconductors August 78, vol. 12, no. 8	0863- 0986	0777- 0900
Soviet Technical Physics Letters June 78, vol. 4, no. 6	0251- 0302	0901- 0952
Optics and Spectroscopy July 78, vol. 45, no. 1	0001- 0116	0953- 1068

PERIODICALS SECTION
APR 7 1979
MANHATTAN STATE
UNIVERSITY LIBRARY

Soviet Journal of Optical Technology May 78, vol. 45, no. 5	0271- 0338	1069- 1136	Soviet Physics-Technical Physics July 78, vol. 23, no. 7	0745- 0876	1523- 1654
Soviet Journal of Optical Technology June 78, vol. 45, no. 6	0339- 0404	1137- 1202	Soviet Physics-Semiconductors September 78, vol. 12, no. 9	0987- 1112	1655- 1780
Soviet Physics-JETP April 78, vol. 47, no. 4	0631- 0818	1203- 1390	Soviet Journal of Plasma Physics May 78, vol. 4, no. 3	0269- 0402	1781- 1914
Soviet Physics-Technical Physics June 78, vol. 23, no. 6	0613- 0744	1391- 1522			

***PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)**

Journal issues indentified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

E. F. Milone et al., Ast. J., Vol. 84, No. 3 (March 1979) p. 417 (72 pages, 1 fiche)

Monthly Table of Contents

May
1979

CPM 7905A	Page	Frame
Physical Review B 15 January 79, vol. 19, no. 2	0539- 1326	0001- 0788
Journal of Chemical Physics 15 March 79, vol. 70, no. 6	2587- 3154	0789- 1356
Applied Physics Letters 15 April 79, vol. 34, no. 8	0481- 0534	1357- 1410
Journal of Mathematical Physics April 79, vol. 20, no. 4	0535- 0756	1411- 1632
Physical Review B 1 February 79, vol. 19, no. 3	1331- 1674	1633- 1976

CPM 7905B	Page	Frame
Physical Review A February 79, vol. 19, no. 2	0425- 0928	0001- 0504
Astronomical Journal April 79, vol. 84, no. 4	0437- 0584	0505- 0652
Journal of the Acoustical Society of America April 79, vol. 65, no. 4	0881- 1100	0653- 0872
*Journal of Chemical Physics 1 April 79, vol. 70, no. 7	3155- 3562	0873- 1280
American Journal of Physics April 79, vol. 47, no. 4	0299- 0390	1281- 1372
Physical Review A March 79, vol. 19, no. 3	0931- 1368	1373- 1810
Optics Letters May 79, vol. 4, no. 5	0129- 0160	1811- 1842

CPM 7905C	Page	Frame
American Journal of Physics May 79, vol. 47, no. 5	0391- 0480	0001- 0090
Applied Physics Letters 1 May 79, vol. 34, no. 9	0537- 0612	0091- 0166
Journal of Chemical Physics 15 April 79, vol. 70, no. 8	3563- 4000	0167- 0604
Journal of Vacuum Science and Technology March 79, vol. 16, no. 2	0113- 0816	0605- 1308
Physical Review Letters 30 April 79, vol. 42, no. 18	1187- 1246	1309- 1368
Applied Optics 1 May 79, vol. 18, no. 9	1281- 1470	1369- 1558
Review of Scientific Instruments May 79, vol. 50, no. 5	0523- 0682	1559- 1718

Physics Teacher	0281-	1719-
May 79, vol. 17, no. 5	0344	1782

CPM 7905D	Page	Frame
*Physical Review B 15 February 79, vol. 19, no. 4	1677- 2416	0001- 0740
Review of Modern Physics January 79, vol. 51, no. 1	0001- 0258	0741- 0998
Journal of Applied Physics March 79, vol. 50, no. 3, part I	1171- 1548	0999- 1376
Journal of the Acoustical Society of America May 79, vol. 64, no. 5	1101- 1372	1377- 1648
Physical Review Letters 7 May 79, vol. 42, no. 19	1247- 1316	1649- 1718

CPM 7905E	Page	Frame
Journal of Applied Physics March 79, vol. 50, no. 3, part II	1551- 2460	0001- 0910
Physics Today May 79, vol. 32, no. 5	0001- 0136	0911- 1046
Journal of the Optical Society of America April 79, vol. 69, no. 4	0491- 0638	1047- 1194
Medical Physics March 79, vol. 6, no. 2	0083- 0178	1195- 1290
Physical Review Letters 14 May 79, vol. 42, no. 20	1317- 1382	1291- 1356
Applied Optics 15 May 79, vol. 18, no. 10	1471- 1692	1357- 1578
Journal of the Acoustical Society of America 79, vol. 65, supplement no. 1	0001- 0142	1579- 1720
Physical Review Letters 21 May 79, vol. 42, no. 21	1383- 1430	1721- 1768

CPM 7905X	Page	Frame
Soviet Physics—JETP May 78, vol. 47, no. 5	0819- 1014	0001- 0196
Soviet Technical Physics Letters July 78, vol. 4, no. 7	0303- 0354	0197- 0248
Soviet Physics—Solid State August 78, vol. 20, no. 8	1293- 1478	0249- 0434
Optics and Spectroscopy August 78, vol. 45, no. 2	0117- 0236	0435- 0554

JETP Letters	0097-	0555-	Soviet Journal of Nuclear Physics	0459-	1287-
5 August 78, vol. 28, no. 3	0174	0632	April 78, vol. 27, no. 4	0600	1428
Optics and Spectroscopy	0237-	0633-	Soviet Journal of Particles and Nuclei	0205-	1429-
September 78, vol. 45, no. 3	0354	0750	May 78, vol. 9, no. 3	0312	1536
Soviet Journal of Nuclear Physics	0091-	0751-	Soviet Astronomy	0385-	1537-
March 78, vol. 9, no. 2	0204	0864	July 78, vol. 22, no. 4	0518	1670
Soviet Physics—Uspekhi	0185-	0865-	Soviet Journal of Low		
March 78, vol. 21, no. 3	0276	0956	Temperature Physics	0387-	1671-
Soviet Physics—JETP	1017-	0957-	July 78, vol. 4, no. 7	0450	1734
June 78, vol. 47, no. 6	1216	1156	Soviet Journal of Optical Technology	0405-	1735-
Soviet Physics—Technical Physics	0877-	1157-	July 78, vol. 45, no. 7	0472	1802
August 78, vol. 23, no. 8	1006	1286			

***PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)**

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

- L. Hedberg et al., J. Chem. Phys., Vol. 70, No. 7 (1 April 1979) p. 3224 (11 pages, 1 fiche)
J. J. Sinai et al., Phys. Rev. B, Vol. 19, No. 4 (15 February 1979) p. 1800 (12 pages, 1 fiche)

Monthly Table of Contents

June
1979*Per Index Qc 1. C82*

CPM 7906A	Page	Frame
Journal of Mathematical Physics May 79, vol. 20, no. 5	0757- 0978	0001- 0222
Astronomical Journal May 79, vol. 84, no. 5	0585- 0698	0223- 0336
Applied Physics Letters 15 May 79, vol. 34, no. 10	0617- 0720	0337- 0440
Journal of Chemical Physics 1 May 79, vol. 70, no. 9	4001- 4438	0441- 0878
Physics of Fluids May 79, vol. 22, no. 5	0805- 1008	0879- 1082
Physical Review D 15 March 79, vol. 19, no. 6	1635- 1920	1083- 1368
Physical Review C April 79, vol. 19, no. 4	1153- 1576	1369- 1792
Physics Today June 79, vol. 32, no. 6	0005- 0096	1793- 1884

CPM 7906B	Page	Frame
Physical Review B 1 March 79, vol. 19, no. 5	2421- 2794	0001- 0374
Physical Review B 15 March 79, vol. 19, no. 6	2801- 3330	0375- 0904
Physical Review D 1 April 79, vol. 19, no. 7	1921- 2234	0905- 1218
Physical Review C May 79, vol. 19, no. 5	1577- 2078	1219- 1720
Applied Physics Letters 1 June 79, vol. 34, no. 11	0725- 0814	1721- 1810

CPM 7906C	Page	Frame
Journal of Applied Physics April 79, vol. 50, no. 4	2465- 2996	0001- 0532
Journal of Chemical Physics 15 May 79, vol. 70, no. 10	4439- 4812	0533- 0906
Journal of Mathematical Physics June 79, vol. 20, no. 6	0979- 1296	0907- 1224
Physical Review B 1 April 79, vol. 19, no. 7	3335- 3836	1225- 1726
Physical Review Letters May 79, vol. 42, no. 22	1431- 1502	1727- 1798

CPM 7906D	Page	Frame
Bulletin of the American Astronomical Society 79, vol. 11, no. 1	0001- 0394	0001- 0394
Journal of the Optical Society of America May 79, vol. 69, no. 5	0639- 0802	0395- 0558
Optics Letters June 79, vol. 4, no. 6	0161- 0192	0559- 0590
Physical Review B 15 April 79, vol. 19, no. 8	3843- 4346	0591- 1094
Applied Optics 1 June 79, vol. 18, no. 11	1693- 1874	1095- 1276
Journal of Chemical and Physical Reference Data 79, vol. 3, no. 2	0307- 0578	1277- 1548
Physical Review Letters 4 June 79, vol. 42, no. 23	1503- 1574	1549- 1620
Optics News 79, vol. 5, no. 2	0003- 0044	1621- 1662
Bulletin of the American Astronomical Society 79, vol. 11, no. 2	0395- 0516	1663- 1734
Physical Review Letters 11 June 79, vol. 42, no. 24	1575- 1650	1735- 1860

CPM 7906X	Page	Frame
Soviet Journal of Quantum Electronics September 78, vol. 3, no. 9	1063- 1176	0001- 0114
Soviet Physics-Semiconductors October 78, vol. 12, no. 10	1115- 1242	0115- 0242
Soviet Journal of Plasma Physics July 78, vol. 4, no. 4	0405- 0536	0243- 0374
Soviet Physics-Crystallography July 78, vol. 23, no. 4	0379- 0508	0375- 0504
Soviet Technical Physics Letters August 78, vol. 4, no. 8	0355- 0404	0505- 0554
Soviet Astronomy Letters September 78, vol. 4, no. 5	0209- 0258	0555- 0604
Soviet Journal of Particles and Nuclei July 78, vol. 9, no. 4	0315- 0388	0605- 0678
Soviet Physics-Solid State September 78, vol. 20, no. 9	1481- 1662	0679- 0860

Soviet Journal of Optical Technology August 78, vol. 45, no. 8	0473- 0536	0861- 0924	Soviet Journal of Nuclear Physics June 78, vol. 27, no. 6	0749- 0892	1433- 1576
Soviet Physics-Crystallography September 78, vol. 23, no. 5	0509- 0628	0925- 1044	JETP Letters 20 August 78, vol. 28, no. 4	0177- 0248	1577- 1648
Soviet Journal of Nuclear Physics May 78, vol. 27, no. 5	0603- 0746	1045- 1188	Soviet Journal of Quantum Electronics October 78, vol. 8, no. 10	1177- 1296	1649- 1768
Soviet Physics-Semiconductors November 78, vol. 12, no. 11	1243- 1360	1189- 1306	Soviet Physics-Acoustics September 78, vol. 24, no. 5	0361- 0456	1769- 1864
Soviet Astronomy September 78, vol. 22, no. 5	0523- 0648	1307- 1432			

***PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)**

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

J. Schmit et al., Phys. Rev. B, Vol. 19, No. 5 (1 March 1979) p. 2605 (29 pages, 1 fiche)

Monthly Table of Contents

July
1979

CPM 7907A	Page	Frame
Applied Physics Letters 15 June 79, vol. 34, no. 12	0817- 0870	0001- 0054
Physics of Fluids June 79, vol. 22, no. 6	1011- 1232	0055- 0276
Physical Review A April 79, vol. 19, no. 4	1371- 1808	0277- 0714
American Journal of Physics June 79, vol. 47, no. 6	0481- 0572	0715- 0806
Journal of Applied Physics May 79, vol. 50, no. 5	3003- 3786	0807- 1590
Journal of the Acoustical Society of America June 79, vol. 65, no. 6	1373- 1582	1591- 1800
Physical Review Letters 18 June 79, vol. 42, no. 25	1651- 1720	1801- 1870

CPM 7907B	Page	Frame
*Journal of Chemical Physics 1 June 79, vol. 70, no. 11	4813- 5342	0001- 0530
Review of Scientific Instruments June 79, vol. 50, no. 6	0685- 0792	0531- 0638
Physical Review B 1 May 79, vol. 19, no. 9	4347- 4846	0639- 1138
Physical Review D 15 April 79, vol. 19, no. 8	2239- 2520	1139- 1420
Astronomical Journal June 79, vol. 84, no. 6	0699- 0900	1421- 1622
Medical Physics May 79, vol. 6, no. 3	0179- 0238	1623- 1682
Applied Optics 15 June 79, vol. 18, no. 12	1875- 2084	1683- 1892

CPM 7907C	Page	Frame
Journal of Vacuum Science and Technology May 79, vol. 16, no. 3	0833- 0974	0001- 0142
Optics Letters July 79, vol. 4, no. 7	0193- 0226	0143- 0176
Bulletin of the American Physical Society May 79, vol. 24, no. 5	0737- 0784	0177- 0224
Astronomical Journal June 79, vol. 84, no. 6	0699- 0898	0225- 0424
Physical Review Letters 25 June 79, vol. 42, no. 26	1721- 1824	0425- 0528

Journal of the Optical Society of America June 79, vol. 69, no. 6	0803- 0926	0529- 0652
Applied Optics 1 July 79, vol. 18, no. 13	2085- 2342	0653- 0910
Physical Review Letters 2 July 79, vol. 43, no. 1	0001- 0090	0911- 1000
Physical Review Letters 9 July 79, vol. 43, no. 2	0091- 0176	1001- 1086
Applied Optics 15 July 79, vol. 18, no. 14	2343- 2524	1087- 1268
Physical Review Letters 16 July 79, vol. 43, no. 3	0177- 0238	1269- 1330
Physical Review Letters 23 July 79, vol. 43, no. 4	0239- 0318	1331- 1410

CPM 7907X	Page	Frame
JETP Letters 5 September 78, vol. 28, no. 5	0249- 0308	0001- 0060
Soviet Journal of Quantum Electronics November 78, vol. 8, no. 11	1297- 1418	0061- 0132
Soviet Physics-Solid State October 78, vol. 20, no. 10	1665- 1846	0183- 0364
Soviet Physics-Technical Physics September 78, vol. 23, no. 9	1007- 1138	0365- 0496
Soviet Journal of Low Temperature Physics August 78, vol. 4, no. 8	0451- 0514	0497- 0560
Soviet Technical Physics Letters September 78, vol. 4, no. 9	0407- 0456	0561- 0610
Soviet Journal of Plasma Physics September 78, vol. 4, no. 5	0537- 0670	0611- 0744
Soviet Journal of Low Temperature Physics September 78, vol. 4, no. 9	0515- 0576	0745- 0806
Soviet Technical Physics Letters October 78, vol. 4, no. 10	0457- 0508	0807- 0858
Soviet Physics-JETP July 78, vol. 48, no. 1	0001- 0182	0859- 1040
Soviet Journal of Quantum Electronics December 78, vol. 8, no. 12	1427- 1512	1041- 1126
Soviet Physics-Semiconductors December 78, vol. 12, no. 12	1363- 1434	1127- 1198
Soviet Journal of Nuclear Physics July 78, vol. 28, no. 1	0001- 0136	1199- 1334
Soviet Journal of Optical Technology September 78, vol. 45, no. 9	0537- 0608	1335- 1406

Soviet Physics-Acoustics	0457-	1407-	Soviet Journal of Particles and Nuclei	0391-	1619-
November 78, vol. 24, no. 6	0536	1486	September 78, vol. 9, no. 5	0474	1702
Soviet Journal of Optical Technology	0609-	1487-	Soviet Physics-Solid State	1847-	1703-
October 78, vol. 45, no. 10	0672	1550	November 78, vol. 20, no. 11	2036	1892
Soviet Journal of Optical Technology	0673-	1551-			
November 78, vol. 45, no. 11	0740	1618			

RECEIVED

SEP 26 1979

KANKATO STATE UNIVERSITY
MEMORIAL LIBRARY

***PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)**

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

C. J. O'Connor et al., J. Chem. Phys., Vol. 70, No. 11 (1 June 1979) p. 5161 (8 pages, 1 fiche)

Monthly Table of Contents

August
1979QC 1. C82
dup

CPM 7908A	Page	Frame
Physical Review A May 79, vol. 19, no. 5	1813- 2142	0001- 0330
Applied Physics Letters 1 July 79, vol. 35, no. 1	0001- 0096	0331- 0426
Physics of Fluids July 79, vol. 22, no. 7	1233- 1420	0427- 0614
Physical Review D 1 May 79, vol. 19, no. 9	2521- 2820	0615- 0914
*Physical Review C June 79, vol. 19, no. 6	2083- 2438	0915- 1270
*Journal of Mathematical Physics July 79, vol. 7, no. 20	1297- 1614	1271- 1588
Medical Physics July 79, vol. 6, no. 4	0255- 0318	1589- 1652
Review of Scientific Instruments July 79, vol. 50, no. 7	0805- 0928	1653- 1776

CPM 7908B	Page	Frame
*Physical Review C July 79, vol. 20, no. 1	0001- 0406	0001- 0406
Journal of Applied Physics June 79, vol. 50, no. 6	3793- 4482	0407- 1096
AIP Conference Proceedings 79, no. 49	0001- 0514	1097- 1610
Physics Today July 79, vol. 32, no. 7	0005- 0096	1611- 1702
Applied Physics Letters 1 August 79, vol. 35, no. 3	0209- 0300	1703- 1794

CPM 7908C	Page	Frame
AIP Conference Proceedings 79, no. 50	0001- 0670	0001- 0670
AIP Conference Proceedings 79, no. 52	0001- 0144	0671- 0814
American Journal of Physics July 79, vol. 47, no. 7	0573- 0664	0815- 0906
AIP Conference Proceedings 79, no. 51	0001- 0580	0907- 1486
Astronomical Journal July 79, vol. 84, no. 7	0901- 1088	1487- 1674
Applied Physics Letters 15 July 79, vol. 35, no. 2	0097- 0206	1675- 1784

CPM 7908D	Page	Frame
Journal of Applied Physics July 79, vol. 50, no. 7	4491- 5084	0001- 0594
Journal of the Acoustical Society of America July 79, vol. 66, no. 1	0001- 0310	0595- 0904
Optics Letters August 79, vol. 4, no. 8	0227- 0262	0905- 0940
AIP Conference Proceedings 79, no. 53	0001- 0432	0941- 1372
American Journal of Physics August 79, vol. 47, no. 8	0665- 0756	1373- 1464
Journal of the Acoustical Society of America 79, vol. 65, supplement no. 2	0001- 0176	1465- 1640
Physical Review Letters 13 August 79, vol. 43, no. 7	0475- 0536	1641- 1702

CPM 7908E	Page	Frame
AIP Conference Proceedings 79, no. 54	0001- 0774	0001- 0774
Review of Modern Physics April 79, vol. 51, no. 2	0259- 0416	0775- 0932
Physical Review Letters 30 July 79, vol. 43, no. 5	0319- 0406	0933- 1020
Applied Optics 1 August 79, vol. 18, no. 15	2525- 2722	1021- 1218
Journal of the Optical Society of America July 79, vol. 69, no. 7	0927- 1050	1219- 1342
Physical Review Letters 6 August 79, vol. 43, no. 6	0407- 0474	1343- 1410

Bulletin of the American Physical Society July 79, vol. 24, no. 6	0785- 0808	1411- 1434
Applied Optics 15 August 79, vol. 18, no. 16	2723- 2904	1435- 1616
Physical Review Letters 20 August 79, vol. 43, no. 8	0537- 0600	1617- 1680
Physics Today August 79, vol. 32, no. 8	0005- 0088	1681- 1764

CPM 7908X	Page	Frame
Soviet Physics-JETP August 78, vol. 48, no. 2	0185- 0396	0001- 0212

RECEIVE

OCT 26 1979

HANKATO STATE UNIVERSITY
MEMORIAL LIBRARY

Soviet Journal of Low Temperature Physics	0577-	0213-	Soviet Astronomy Letters	0261-	1019-
October 78, vol. 4, no. 10	0640	0276	November 78, vol. 4, no. 6	0306	1064
O ₁ and Spectroscopy	0609-	0277-	Soviet Physics-Semiconductors	0001-	1065-
October 78, vol. 45, no. 4	0722	0390	January 79, vol. 13, no. 1	0120	1184
Soviet Journal of Optical Technology	0741-	0391-	Soviet Journal of Nuclear Physics	0137-	1185-
December 78, vol. 45, no. 12	0788	0438	August 78, vol. 28, no. 2	0294	1342
Soviet Physics-Crystallography	0629-	0439-	JETP Letters	0311-	1343-
November 78, vol. 23, no. 6	0738	0548	20 September 79, vol. 28, no. 6	0398	1430
Soviet Physics-Solid State	2037-	0549-	Soviet Physics-Doklady	0355-	1431-
December 78, vol. 20, no. 12	2168	0680	June 78, vol. 23, no. 6	0436	1512
Soviet Physics-Technical Physics	1139-	0681-	Soviet Physics-Doklady	0437-	1513-
October 78, vol. 23, no. 10	1268	0810	July 78, vol. 23, no. 7	0522	1598
Soviet Physics-Uspekhi	0277-	0811-	Soviet Physics-Doklady	0523-	1599-
April 78, vol. 21, no. 4	0372	0906	August 78, vol. 23, no. 8	0612	1688
Soviet Astronomy	0649-	0907-	Soviet Physics-Doklady	0615-	1689-
November 78, vol. 22, no. 6	0760	1018	September 78, vol. 23, no. 9	0688	1762
			Soviet Physics-Technical Physics	1269-	1763-
			November 78, vol. 23, no. 11	1396	1890

RECEIVED

OCT 26 1979

ANKATO STATE UNIVERSITY
MEMORIAL LIBRARY

*PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

- R. E. Anderson, Phys. Rev. C, Vol. 19, No. 6 (June 1979) p. 2138 (3 pages, 1 fiche)
- Y. S. Kim et al., J. Math. Phys., Vol. 20, No. 7 (July 1979) p. 1336 (13 pages, 1 fiche)
- N. C. Schoen et al., Phys. Rev. C, Vol. 20, No. 1 (July 1979) p. 88 (5 pages, 1 fiche)
- J. F. Mateja et al., Phys. Rev. C, Vol. 20, No. 1 (July 1979) p. 176 (5 pages, 1 fiche)

Monthly Table of Contents

September
1979

CPM 7909A	Page	Frame
*Journal of Chemical Physics 15 June 79, vol. 70, no. 12	5343- 5926	0001- 0584
*Physical Review B 15 May 79, vol. 19, no. 10	4855- 5446	0585- 1176
Physical Review D 15 May 79, vol. 19, no. 10	2821- 3184	1177- 1540
*Journal of Chemical Physics 1 July 79, vol. 71, no. 1	0001- 0566	1541- 2106

CPM 7909B	Page	Frame
Physical Review B 1 June 79, vol. 19, no. 11	5455- 5952	0001- 0498
Physical Review D 1 June 79, vol. 19, no. 11	3185- 3482	0499- 0796
Physical Review A June 79, vol. 19, no. 6	2147- 2480	0797- 1130
*Journal of Chemical Physics * July 79, vol. 71, no. 2	0567- 1040	1131- 1604
Physics of Fluids August 79, vol. 22, no. 8	1421- 1594	1605- 1778

CPM 7909C	Page	Frame
*Physical Review C August 79, vol. 20, no. 2	0409- 0868	0001- 0460
Review of Scientific Instruments August 79, vol. 50, no. 8	0941- 1034	0461- 0554
Applied Physics Letters 15 August 79, vol. 35, no. 4	0301- 0356	0555- 0610
Journal of the Acoustical Society of America August 79, vol. 66, no. 2	0345- 0602	0611- 0868
Astronomical Journal August 79, vol. 84, no. 8	1091- 1244	0869- 1022
Journal of Applied Physics August 79, vol. 50, no. 8	5093- 5558	1023- 1488
Physical Review A July 79, vol. 20, no. 1	0001- 0378	1489- 1866

CPM 7909D	Page	Frame
Physical Review A August 79, vol. 20, no. 2	0381- 0628	0001- 0248
Journal of Mathematical Physics August 79, vol. 20, no. 8	1615- 1832	0249- 0466

*Journal of Chemical Physics 1 August 79, vol. 71, no. 3	1041- 1514	0467- 0940
Applied Physics Letters 1 September 79, vol. 35, no. 5	0359- 0432	0941- 1014
Journal of the Optical Society of America August 79, vol. 69, no. 8	1051- 1198	1015- 1162
*Journal of Chemical Physics 15 August 79, vol. 71, no. 4	1515- 1986	1163- 1634
Optics Letters September 79, vol. 4, no. 9	0263- 0308	1635- 1680
Physical Review Letters 27 August 79, vol. 43, no. 9	0601- 0650	1681- 1730
Physical Review Letters 3 September 79, vol. 43, no. 10	0651- 0732	1731- 1812
Bulletin of the American Physical Society September 79, vol. 24, no. 7	0809- 0912	1813- 1916

CPM 7909E	Page	Frame
Applied Physics Letters 15 September 79, vol. 35, no. 6	0433- 0476	0001- 0044
Journal of Applied Physics September 79, vol. 50, no. 9	5569- 6032	0045- 0508
Journal of the Acoustical Society of America September 79, vol. 66, no. 3	0629- 0944	0509- 0824
Physics of Fluids September 79, vol. 22, no. 9	1595- 1842	0825- 1072
Review of Scientific Instruments September 79, vol. 50, no. 9	1047- 1166	1073- 1192
Physics Teacher September 79, vol. 17, no. 6	0345- 0408	1193- 1256
Applied Optics 1 September 79, vol. 18, no. 17	2905- 3070	1257- 1422
Optics News 79, vol. 5, no. 3	0005- 0040	1423- 1458
Physical Review Letters 10 September 79, vol. 43, no. 11	0733- 0804	1459- 1530
Review of Modern Physics July 79, vol. 51, no. 3	0417- 0658	1531- 1772
Physics Today September 79, vol. 32, no. 9	0001- 0128	1773- 1900

CPM 7909X	Page	Frame
Optics and Spectroscopy November 78, vol. 45, no. 5	0723- 0840	0001- 0118

Optics and Spectroscopy December 78, vol. 45, no. 6	0841- 0942	0119- 0220	Soviet Physics—JETP September 78, vol. 48, no. 3	0397- 0588	0995- 1186
Soviet Journal of Low Temperature Physics November 78, vol. 4, no. 11	0641- 0706	0221- 0286	Soviet Physics—JETP October 78, vol. 48, no. 4	0589- 0768	1187- 1366
Soviet Journal of Nuclear Physics October 78, vol. 28, no. 4	0443- 0584	0287- 0428	Soviet Journal of Quantum Electronics January 79, vol. 9, no. 1	0001- 0140	1367- 1506
Soviet Physics—Doklady October 78, vol. 23, no. 10	0691- 0776	0429- 0514	JETP Letters 5 October 78, vol. 28, no. 7	0401- 0464	1507- 1570
Soviet Physics—Doklady November 78, vol. 23, no. 10	0777- 0868	0515- 0606	JETP Letters 20 October 78, vol. 28, no. 8	0469- 0520	1571- 1622
Soviet Technical Physics Letters November 78, vol. 4, no. 11	0509- 0562	0607- 0660	Soviet Physics—Semiconductors February 79, vol. 13, no. 2	0121- 0246	1623- 1748
Soviet Journal of Nuclear Physics September 78, vol. 28, no. 3	0295- 0442	0661- 0808	Soviet Astronomy January 79, vol. 23, no. 1	0001- 0122	1749- 1870
Soviet Physics—Solid State January 79, vol. 21, no. 1	0001- 0186	0809- 0994	JETP Letters 5 November 78, vol. 28, no. 9	0525- 0566	1871- 1912

RECEIVED

NOV 5 1979

OHIO STATE UNIVERSITY
LIBRARY

*PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

- R. E. Anderson, Phys. Rev. C, Vol. 19, No. 6 (June 1979) p. 2138 (3 pages, 1 fiche)
- Y. S. Kim et al., J. Math. Phys., Vol. 20, No. 7 (July 1979) p. 1336 (13 pages, 1 fiche)
- N. C. Schoen et al., Phys. Rev. C, Vol. 20, No. 1 (July 1979) p. 88 (5 pages, 1 fiche)
- J. F. Mateja et al., Phys. Rev. C, Vol. 20, No. 1 (July 1979) p. 176 (5 pages, 1 fiche)
- J. Epstein et al., J. Chem. Phys., Vol. 70, No. 12 (15 June 1979) p. 5515 (12 pages, 1 fiche)
- S. Geller et al., Phys. Rev. B, Vol. 19, No. 10 (15 May 1979) p. 5396 (2 pages, 1 fiche)
- A. Kvik et al., J. Chem. Phys., Vol. 71, No. 1 (1 July 1979) p. 173 (20 pages, 1 fiche)
- J. D. Toennies, J. Chem. Phys., Vol. 71, No. 2 (15 July 1979) p. 614 (11 pages, 1 fiche)
- S. C. Abrahams, J. Chem. Phys., Vol. 71, No. 2 (15 July 1979) p. 788 (11 pages, 1 fiche)
- M. S. Chiou et al., Phys. Rev. C, Vol. 20, No. 2 (August 1979) p. 851 (945 pages, 1 fiche)
- D. G. Truhlar et al., J. Chem. Phys., Vol. 71, No. 3 (1 August 1979) p. 1514 (11 pages, 1 fiche)
- U. Borkenhagen et al., J. Chem. Phys., Vol. 71, No. 4 (15 August 1979) p. 1722 (11 pages, 1 fiche)

Monthly Table of Contents

per/2002 Q41-CP2
October
1979

CPM 7910A	Page	Frame
Physical Review D 15 June 79, vol. 19, no. 12	3483- 3832	0001- 0350
Physical Review B 15 June 79, vol. 19, no. 12	5961- 6624	0351- 1014
Physical Review D 1 July 79, vol. 20, no. 1	0001- 0348	1015- 1362
Physical Review Index 79, no. 17	0001- 0296	1363- 1658
Astronomical Journal September 79, vol. 84, no. 9	1247- 1458	1659- 1870

CPM 7910B	Page	Frame
*Physical Review B 1 July 79, vol. 20, no. 1	0001- 0376	0001- 0376
Physical Review B 15 July 79, vol. 20, no. 2	0379- 0820	0377- 0818
Physical Review C September 79, vol. 20, no. 3	0869- 1216	0819- 1166
Journal of Vacuum Science and Technology July 79, vol. 16, no. 4	0985- 1078	1167- 1260
*Journal of Chemical Physics 1 September 79, vol. 71, no. 5	1987- 2330	1261- 1604
Journal of Mathematical Physics September 79, vol. 20, no. 9	1837- 1994	1605- 1762

CPM 7910C	Page	Frame
Applied Physics Letters 1 October 79, vol. 35, no. 7	0477- 0572	0001- 0096
Journal of the Optical Society of America September 79, vol. 69, no. 9	1199- 1320	0097- 0218
Physical Review Letters 17 September 79, vol. 43, no. 12	0805- 0890	0219- 0304
Applied Optics 15 September 79, vol. 18, no. 18	3071- 3202	0305- 0436
Journal of Chemical Physics 15 September 79, vol. 71, no. 6	2331- 2738	0437- 0844
Physical Review Letters 24 September 79, vol. 43, no. 13	0891- 0978	0845- 0932
AIP Conference Proceedings 79, no. 55	0001- 0338	0933- 1270

Journal of Physical and Chemical Reference Data 79, vol. 8, no. 3	0583- 0918	1271- 1606
Physics of Fluids October 79, vol. 22, no. 10	1847- 2052	1607- 1812

CPM 7910D	Page	Frame
Journal of Chemical Physics 1 October 79, vol. 71, no. 7	2739- 3146	0001- 0408
Optics Letters October 79, vol. 4, no. 10	0309- 0342	0409- 0442
Applied Optics 1 October 79, vol. 18, no. 19	3203 3358	0443- 0598
Review of Scientific Instruments October 79, vol. 50, no. 10	1183- 1320	0599- 0736
Physics Teacher October 79, vol. 17, no. 7	0409- 0488	0737- 0816
Applied Optics 15 October 79, vol. 18, no. 20	3359- 3532	0817- 0990
Bulletin of the American Astronomical Society 79, vol. 11, no. 3	0517- 0616	0991- 1090
Bulletin of the American Physical Society October 79, vol. 24, no. 8	0913- 1160	1091- 1338
Physics Today October 79, vol. 32, no. 10	0005- 0128	1339- 1462
Journal of the Optical Society of America October 79, vol. 69, no. 10	1323- 1494	1463- 1634

CPM 7910X	Page	Frame
Soviet Physics-Doklady December 78, vol. 23, no. 12	0869- 0936	0001- 0068
Soviet Physics-Technical Physics December 78, vol. 23, no. 12	1397- 1492	0069- 0164
Soviet Technical Physics Letters December 78, vol. 4, no. 12	0563- 0614	0165- 0216
Soviet Journal of Low Temperature Physics December 79, vol. 4, no. 12	0707- 0740	0217- 0250
Soviet Journal of Plasma Physics November 78, vol. 4, no. 6	0671- 0802	0251- 0382
Soviet Journal of Quantum Electronics February 79, vol. 9, no. 2	0141- 0264	0383- 0506

JETP Letters 20 November 78, vol. 28, no. 10	0571- 0618	0507- 0554	Optics and Spectroscopy January 79, vol. 46, no. 1	0001- 0116	1217- 1332
JETP Letters 5 December 78, vol. 28, no. 11	0623- 0668	0555- 0600	Soviet Astronomy Letters January 79, vol. 5, no. 1	0001- 0062	1333- 1394
JETP Letters 5 January 79, vol. 29, no. 1	0001- 0114	0601- 0714	Soviet Physics-Acoustics January 79, vol. 25, no. 1	0001- 0086	1395- 1480
Soviet Journal of Nuclear Physics November 78, vol. 28, no. 5	0585- 0740	0715- 0870	Soviet Physics-JETP November 78, vol. 48, no. 5	0769- 0984	1481- 1696
Soviet Physics-Crystallography January 79, vol. 24, no. 1	0001- 0122	0871- 0992	Optics and Spectroscopy February 79, vol. 46, no. 2	0117- 0230	1697- 1810
Soviet Journal of Particles and Nuclei January 79, vol. 10, no. 1	0001- 0098	0993- 1090	Soviet Journal of Optical Technology January 79, vol. 46, no. 1	0001- 0062	1811- 1872
Soviet Journal of Plasma Physics January 79, vol. 5, no. 1	0001- 0126	1091- 1216	JETP Letters 20 December 78, vol. 28, no. 12	0673- 0762	1873- 1962

*PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

G. J. Bowden et al., Phys. Rev. B, Vol. 20, No. 1 (1 July 1979) p. 352 (7 pages, 1 fiche)
K. Fox et al., J. Chem. Phys., Vol. 71, No. 5 (1 Sept. 1979) p. 2222 (53 pages, 1 fiche)

Monthly Table of Contents

CPM 7911A	Page	Frame
Physical Review D 15 July 79, vol. 20, no. 2	0351- 0586	0001- 0236
Physical Review D 1 August 79, vol. 20, no. 3	0587- 0824	0237- 0474
*Physical Review B 1 August 79, vol. 20, no. 3	0823- 1294	0475- 0946
Physical Review D 15 August 79, vol. 20, no. 4	0825- 1028	0947- 1150
Physical Review D 1 September 79, vol. 20, no. 5	1029- 1250	1151- 1372
Physical Review B 15 August 79, vol. 20, no. 4	1297- 1766	1373- 1842

CPM 7911B	Page	Frame
Physical Review A September 79, vol. 20, no. 3	0633- 1296	0001- 0664
Medical Physics September 79, vol. 6, no. 5	0391- 0468	0665- 0742
*Physical Review B 1 September 79, vol. 20, no. 5	1771- 2216	0743- 1188
Physical Review Letters 1 October 79, vol. 43, no. 14	0979- 1058	1189- 1268
American Journal of Physics September 79, vol. 47, no. 9	0757- 0832	1269- 1344
Applied Physics Letters 15 October 79, vol. 35, no. 8	0575- 0648	1345- 1418
Journal of Applied Physics October 79, vol. 50, no. 10	6043- 6570	1419- 1946

CPM 7911C	Page	Frame
Journal of the Acoustical Society of America October 79, vol. 66, no. 4	0945- 1244	0001- 0300
*Physical Review C October 79, vol. 20, no. 4	1217- 1626	0301- 0710
Physical Review Letters 8 October 79, vol. 43, no. 15	1059- 1138	0711- 0790
Physical Review B 5 September 79, vol. 20, no. 6	2217- 2566	0791- 1140
Physical Review Letters 15 October 79, vol. 43, no. 16	1139- 1200	1141- 1202

Journal of the Acoustical Society of America November 79, vol. 66, no. 5	1245- 1592	1203- 1550
Astronomical Journal October 79, vol. 84, no. 10	1459- 1646	1551- 1738

CPM 7911D	Page	Frame
Journal of Chemical Physics 15 October 79, vol. 71, no. 8	3147- 3552	0001- 0406
Journal of Mathematical Physics October 79, vol. 20, no. 10	1995- 2150	0407- 0562
Physical Review Letters 22 October 79, vol. 43, no. 17	1201- 1276	0563- 0638
Optics Letters November 79, vol. 4, no. 11	0343- 0386	0639- 0682
Applied Physics Letters 1 November 79, vol. 35, no. 9	0651- 0722	0683- 0754
Physical Review Letters 29 October 79, vol. 43, no. 18	1277- 1360	0755- 0838
Journal of Chemical Physics 1 November 79, vol. 71, no. 9	3553- 3896	0839- 1182
*Review of Scientific Instruments November 79, vol. 50, no. 11	1335- 1494	1183- 1342
Physics Teacher November 79, vol. 17, no. 8	0489- 0552	1343- 1406
Physics of Fluids November 79, vol. 22, no. 11	2053- 2252	1407- 1606
Physics Today November 79, vol. 32, no. 11	0005- 0112	1607- 1714
American Journal of Physics October 79, vol. 47, no. 10	0833- 0924	1715- 1806
Physical Review Letters 12 November 79, vol. 43, no. 20	1453- 1540	1807- 1894

CPM 7911E	Page	Frame
Review of Medical Physics October 79, vol. 51, no. 4	0659- 0928	0001- 0270
*Physical Review B 1 October 79, vol. 20, no. 7	2567- 2980	0271- 0684
Physical Review Letters 5 November 79, vol. 43, no. 19	1361- 1452	0685- 0776
Applied Optics 1 November 79, vol. 18, no. 21	3533- 3914	0777- 0958

Journal of the Acoustical Society of America 79, vol. 66, supplement no. 1	0001- 0100	0959- 1058	Soviet Physics-Technical Physics January 79, vol. 24, no. 1	0001- 0134	0739- 0872
Physical Review D 15 October 79, vol. 20, no. 8	1757- 2100	1059- 1402	Soviet Journal of Low Temperature Physics January 79, vol. 5, no. 1	0001- 0050	0873- 0922
Physical Review A October 79, vol. 20, no. 4	1299- 1738	1403- 1842	JETP Letters 20 February 79, vol. 29, no. 4	0183- 0234	0923- 0974
Bulletin of the American Physical Society November 79, vol. 24, no. 9	1161- 1222	1843- 1904	Soviet Journal of Nuclear Physics January 79, vol. 29, no. 1	0001- 0142	0975- 1116
			Soviet Journal of Particles and Nuclei January 79, vol. 10, no. 1	0001- 0098	1117- 1214
CPM 7911X	Page	Frame	Soviet Astronomy Letters March 79, vol. 5, no. 2	0063- 0110	1215- 1262
Soviet Journal of Nuclear Physics December 78, vol. 28, no. 6	0741- 0858	0001- 0118	Optics and Spectroscopy March 79, vol. 46, no. 3	0233- 0352	1263- 1382
Soviet Journal of Particles and Nuclei November 78, vol. 9, no. 6	0475- 0570	0119- 0214	Soviet Journal of Optical Technology February 79, vol. 46, no. 2	0063- 0122	1383- 1442
Soviet Physics-JETP December 78, vol. 48, no. 6	0985- 1200	0215- 0430	Soviet Physics-Acoustics March 79, vol. 25, no. 2	0087- 0180	1443- 1536
JETP Letters 20 January 79, vol. 29, no. 2	0115- 0152	0431- 0468	Soviet Physics-Semiconductors March 79, vol. 13, no. 3	0247- 0368	1537- 1658
JETP Letters 5 February 79, vol. 29, no. 3	0155- 0180	0469- 0494	Soviet Journal of Quantum Electronics April 79, vol. 9, no. 4	0399- 0524	1659- 1784
Soviet Journal of Quantum Electronics March 79, vol. 9, no. 3	0265- 0398	0495- 0628	Soviet Astronomy March 79, vol. 23, no. 2	0123- 0260	1785- 1922
Soviet Physics-Crystallography March 79, vol. 24, no. 2	0123- 0232	0629- 0738			

***PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)**

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

- R. A. Klemm, Phys. Rev. B, Vol. 20, No. 3 (1 August 1979) p. 823 (24 pages, 1 fiche)
- D. D. Swank et al., Phys. Rev. B, Vol. 20, No. 5 (1 September 1979) p. 2154 (6 pages, 1 fiche)
- G. Blanpied, Phys. Rev. C, Vol. 20, No. 4 (October 1979) p. 1490 (6 pages, 1 fiche)
- E. Ostertag, Rev. Sci. Inst., Vol. 50, No. 11 (November 1979) p. 1344 (52 pages, 1 fiche)
- D. S. Greywall, Phys. Rev. B, Vol. 20, No. 7 (1 October 1979) p. 2643 (14 pages, 1 fiche)

Monthly Table of Contents

December 1979

CPM 7912A	Page	Frame
Physical Review D 15 September 79, vol. 20, no. 6	1251- 1470	0001- 0220
Physical Review D 1 October 79, vol. 20, no. 7	1471- 1756	0221- 0506
Journal of Mathematical Physics November 79, vol. 20, no. 11	2153- 2372	0507- 0726
Journal of Chemical Physics 15 November 79, vol. 71, no. 10	3897- 4174	0727- 1004
Physical Review A October 79, vol. 20, no. 4	1299- 1738	1005- 1444
Physical Review D 1 November 79, vol. 20, no. 9	2105- 2454	1445- 1794
Physical Review Letters 19 November 79, vol. 43, no. 21	1541- 1628	1795- 1882

CPM 7912B	Page	Frame
*Physical Review C November 79, vol. 20, no. 5	1627- 1972	0001- 0346
Applied Optics 15 November 79, vol. 18, no. 22	3715- 3872	0347- 0504
*Physical Review B 15 October 79, vol. 20, no. 8	2981- 3528	0505- 1052
Applied Physics Letters 15 November 79, vol. 35, no. 10	0727- 0828	1053- 1154
Medical Physics November 79, vol. 6, no. 6	0479- 0560	1155- 1236
Physical Review Letters 10 December 79, vol. 43, no. 24	1769- 1844	1237- 1312
Applied Optics 1 December 79, vol. 18, no. 23	3873- 4062	1313- 1502
Optics Letters December 79, vol. 4, no. 12	0387- 0425	1503- 1542
American Journal of Physics November 79, vol. 47, no. 11	0925- 1016	1543- 1634
Physics Teacher December 79, vol. 17, no. 9	0553- 0628	1635- 1710
Physical Review Letters 17 December 79, vol. 43, no. 25	1845- 1900	1711- 1766
Physical Review Letters 24 December 79, vol. 43, no. 26	1901- 1968	1767- 1834

CPM 7912C	Page	Frame
AIP Conference Proceedings 79, vol. 56	0001- 0434	0001- 0434
Physical Review Letters 26 November 79, vol. 43, no. 22	1629- 1690	0435- 0496
Physical Review Letters 3 December 79, vol. 43, no. 23	1691- 1768	0497- 0574
Physical Review A November 79, vol. 20, no. 5	1743- 2248	0575- 1080
*Physical Review B 1 November 79, vol. 20, no. 9	3535- 3948	1081- 1494
*Astronomical Journal November 79, vol. 84, no. 11	1647- 1810	1495- 1658
Applied Physics Letters 1 December 79, vol. 35, no. 11	0833- 0896	1659- 1722

CPM 7912X	Page	Frame
Soviet Technical Physics Letters January 79, vol. 5, no. 1	0001- 0048	0001- 0048
Soviet Journal of Nuclear Physics February 79, vol. 29, no. 2	0143- 0282	0049- 0188
Soviet Physics-Solid State February 79, vol. 21, no. 2	0187- 0378	0189- 0380
Soviet Physics-Uspekhi September 78, vol. 21, no. 5	0373- 0486	0381- 0494
JETP Letters 5 March 79, vol. 29, no. 5	0237- 0292	0495- 0550
Soviet Physics-Doklady January 79, vol. 24, no. 1	0001- 0080	0551- 0630
Soviet Physics-Doklady February 79, vol. 24, no. 2	0081- 0130	0631- 0680
Soviet Journal of Low Temperature Physics February 79, vol. 5, no. 2	0051- 0100	0681- 0730
Soviet Journal of Optical Technology March 79, vol. 46, no. 3	0123- 0184	0731- 0792
Soviet Physics-Semiconductors April 79, vol. 13, no. 4	0369- 0494	0793- 0918
Soviet Physics-JETP October 79, vol. 49, no. 1	0001- 0194	0919- 1112
Soviet Technical Physics Letters February 79, vol. 5, no. 2	0051- 0102	1113- 1164
Soviet Physics-Solid State March 79, vol. 21, no. 3	0379- 0560	1165- 1346

Soviet Technical Physics Letters March 79, vol. 5, no. 3	0103- 0152	1347- 1396	Soviet Physics-Uspekhi November 78, vol. 21, no. 6	0487- 0548	1639- 1700
Soviet Physics-Technical Physics February 79, vol. 24, no. 2	0135- 0260	1397- 1522	Soviet Physics-Technical Physics March 79, vol. 24, no. 3	0261- 0390	1701- 1830
Optics and Spectroscopy April 79, vol. 46, no. 4	0353- 0468	1523 1638			

***PHYSICS AUXILIARY PUBLICATION SERVICE (PAPS)**

Journal issues identified by an asterisk above contain articles with supplementary material in PAPS. This material is not printed in the journal issues themselves, but appears here in CPM on the frames immediately following the appropriate articles:

- J. H. Billen, Phys. Rev. C, Vol. 20, No. 5 (November 1979) p. 1648 (82 pages, 5 fiche)
- D. S. Flynn et al., Phys. Rev. C, Vol. 20, No. 5 (November 1979) p. 1700 (15 pages, 1 fiche)
- J. Cheung et al., Phys. Rev. B, vol. 20, No. 8 (15 October 1979) p. 2991 (51 pages, 1 fiche)
- M. Hishida et al., Phys. Rev. B., Vol. 20, No. 8 (15 October 1979) p. 3486 (19 pages, 1 fiche)
- C. Pittman et al., Phys. Rev. B, Vol. 20, No. 9 (1 November 1979) p. 3678 (10 pages, 1 fiche)
- W. H. Jefferys et al., Ast. J., Vol. 84, No. 11 (November 1979) p. 1778 (26 pages, 1 fiche)

-----Original Message-----

From: Susann Brailey [<mailto:sbrailey@aip.org>]

Sent: Thursday, 08 September, 2011 7:56 AM

To: Bothmann, Robert L

Subject: RE: AIP Corp Correspondence

Dear Dr. Bothmann:

Thank you for your inquiry.

You have permission from the American Institute of Physics to scan the "Monthly Table of Contents" and "Cumulative Index" and post them to your website.

Please include an appropriate credit line such as: "Reprinted with permission from American Institute of Physics."

Thanks very much.

Sincerely,

Susann Brailey

Manager, Rights and Permissions

Office of the Publisher, Journals and Technical Publications American Institute of Physics Suite 1N01

2 Huntington Quadrangle

Melville, NY 11747-4502

Phone: 1-516-576-2268

Fax: 1-516-576-2450

Email: rights@aip.org