

Monthly Table of Contents

CPM 7701A	Page	Frame
Physics of Fluids December 76, Vol. 19, no. 12	1843- 2052	0001- 0210
Journal of the Acoustical Society of America December 76, vol. 60, no. 6	1249- 1412	0211- 0374
*Astronomical Journal December 76, vol. 81, no. 12	1031- 1178	0375- 0522
Review of Scientific Instruments December 76, vol. 47, no. 12	1425- 1626	0523- 0724
American Journal of Physics December 76, vol. 44, no. 12	1149- 1270	0725- 0846
Applied Physics Letters 1 January 77, vol. 30, no. 1	0001- 0046	0847- 0892
Medical Physics November 76, vol. 3, no. 6	0375- 0442	0893- 0960
*Journal of Chemical Physics 15 December 76, vol. 65, no. 12	5033- 5540	0961- 1468
Applied Optics January 77, vol. 16, no. 1	0001- 0260	1469- 1728

CPM 7701B	Page	Frame
AIP Conference Proceedings 76, no. 35	0001- 0546	0001- 0546
Physical Review B 15 December 76, vol. 14, no. 12	5137- 5548	0547- 0958
Applied Physics Letters 15 January 77, vol. 30, no. 2	0073- 0128	0959- 1014
Journal of Applied Physics January 77, vol. 48, no. 1	0001- 0448	1015- 1462
Physical Review Letters 27 December 76, vol. 37, no. 26	1717- 1810	1463- 1556
Bulletin of the American Astronomical Society 76, vol. 8, no. 4	0493- 0594	1557- 1658
Physical Review Letters 3 January 77, vol. 38, no. 1	0001- 0050	1659- 1708
Journal of Mathematical Physics January 77, vol. 18, no. 1	0001- 0188	1709- 1896

CPM 7701C	Page	Frame
Physical Review D 1 December 76, vol. 14, no. 11	2839- 3250	0001- 0412
Physical Review D 15 December 76, vol. 14, no. 12	3251- 3598	0413- 0760

Physics Teacher January 77, vol. 15, no. 1	0001- 0064	0761- 0824
Physics of Fluids January 77, vol. 20, no. 1	0001- 0168	0825- 0992
Physical Review Letters 10 January 77, vol. 38, no. 2	0051- 0102	0993- 1044
Physics Today January 77, vol. 30, no. 1	0001- 0112	1045- 1156
Review of Scientific Instruments January 77, vol. 48, no. 1	0001- 0104	1157- 1260
Journal of the Optical Society of America December 76, vol. 66, no. 12	1317- 1502	1261- 1446
Journal of the Optical Society of America January 77, vol. 67, no. 1	0001- 0134	1447- 1580
Bulletin of the American Physical Society January 77, vol. 22, no. 1	0001- 0128	1581- 1708
Physical Review Letters 17 January 77, vol. 38, no. 3	0103- 0146	1709- 1752
American Journal of Physics January 77, vol. 45, no. 1	0001- 0118	1753- 1870

CPM 7701X	Page	Frame
Soviet Physics - Uspekhi January 76, vol. 19, no. 1	0001- 0104	0001- 0104
Soviet Physics - Uspekhi February 76, vol. 19, no. 2	0105- 0206	0105- 0206
Soviet Physics - Uspekhi 75, vol. 18, no. 12	0931- 0994	0207- 0270
Soviet Physics - JETP 75, vol. 42, no. 6	0943- 1154	0271- 0482
Soviet Physics - JETP January 76, vol. 43, no. 1	0001- 0186	0483- 0668
Soviet Journal of Low Temperature Physics January 76, vol. 2, no. 1	0001- 0068	0669- 0736
Soviet Physics - Uspekhi March 76, vol. 19, no. 3	0207- 0274	0737- 0804
Soviet Journal of Low Temperature Physics February 76, vol. 2, no. 2	0069- 0136	0805- 0872
Soviet Physics - Uspekhi April 76, vol. 19, no. 4	0275- 0360	0873- 0958

Soviet Physics - Doklady May 76, vol. 21, no. 5	0235- 0292	0959- 1016	JETP Letters 20 May 76, vol. 23, no. 10	0507- 0552	1399- 1444
Soviet Journal of Quantum Electronics July 76, vol. 6, no. 7	0747- 0884	1017- 1154	JETP Letters 5 June 76, vol. 23, no. 11	0555- 0614	1445- 1504
Soviet Journal of Low Temperature Physics March 76, vol. 2, no. 3	0137- 0204	1155- 1222	Soviet Physics - Solid State July 76, vol. 18, no. 7	1049- 1250	1505- 1706
Soviet Physics - Semiconductors July 76, vol. 10, no. 7	0733- 0846	1223- 1336	Soviet Technical Physics Letters January 76, vol. 2, no. 1	0001- 0036	1707- 1742
JETP Letters 5 May 76, vol. 23, no. 9	0441- 0502	1337- 1398	Soviet Physics - Semiconductors August 76, vol. 10, no. 8	0847- 0956	1743- 1852

***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. M. Williamon, Astron. J., Vol. 81, No. 12 (Dec. 1976) p. 1134 (16 pages, 1 fiche)
N. C. Blais, et. al., J. Chem. Phys., Vol. 65, No. 12 (15 Dec. 1976) p. 5335 (22 pages, 1 fiche)

Monthly Table of Contents

February
1977

M 7702A	Page	Frame
Physical Review B 1 January 77, vol. 15, no. 1	0001- 0506	0001- 0506
Journal of Chemical Physics 1 January 77, vol. 66, no. 1	0001- 0376	0507- 0882
Applied Physics Letters 1 February 77, vol. 30, no. 3	0129- 0174	0883- 0928
Journal of the Acoustical Society of America January 77, vol. 61, no. 1	0001- 0248	0929- 1176
Applied Physics Letters 15 February 77, vol. 30, no. 4	0175- 0216	1177- 1218
Journal of Applied Physics February 77, vol. 48, no. 2	0473- 0850	1219- 1596
Review of Scientific Instruments February 77, vol. 48, no. 2	0105- 0208	1597- 1700
Physical Review Letters 24 January 77, vol. 38, no. 4	0147- 0184	1701- 1738
Physical Review Letters 7 February 77, vol. 38, no. 6	0259- 0300	1739- 1780
Physical Review Letters 31 January 77, vol. 38, no. 5	0185- 0258	1781- 1854

CPM 7702B	Page	Frame
Journal of Chemical Physics 15 January 77, vol. 66, no. 2	0377- 0882	0001- 0506
Journal of Mathematical Physics February 77, vol. 18, no. 2	0189- 0346	0507- 0664
Physical Review A January 77, vol. 15, no. 1	0001- 0440	0665- 1104
Physical Review C January 77, vol. 15, no. 1	0001- 0466	1105- 1570
Review of Modern Physics January 77, vol. 49, no. 1	0001- 0232	1571- 1802
Applied Spectroscopy January 77, vol. 31, no. 1	0001- 0086	1803- 1888

CPM 7702C	Page	Frame
Applied Optics February 77, vol. 16, no. 2	0261- 0520	0001- 0260
Physics Teacher February 77, vol. 15, no. 2	0065- 0128	0261- 0324
Bulletin of the American Physical Society	0129- 0260	0325- 0426

Physics Today February 77, vol. 30, no. 2	0001- 0088	0437- 0524
Medical Physics January 77, vol. 4, no. 1	0001- 0084	0525- 0608
Physical Review Letters 14 February 77, vol. 38, no. 7	0301- 0376	0609- 0684
Journal of Chemical Physics 1 February 77, vol. 66, no. 3	0883- 1388	0685- 1190
Physics of Fluids February 77, vol. 20, no. 2	0171- 0344	1191- 1364
*Journal of the Optical Society of America February 77, vol. 67, no. 2	0135- 0268	1365- 1498
Physical Review D 1 January 77, vol. 15, no. 1	0001- 0364	1499- 1862

CPM 7702D	Page	Frame
Journal of Physical and Chemical Reference Data Vol. 6, Supplement no. 1	0001- 0784	0001- 0784
Journal of Vacuum Science and Technology January 77, vol. 14, no. 1	0001- 0684	0785- 1468
Physical Review C February 77, vol. 15, no. 2	0467- 0842	1469- 1844

CPM 7702E	Page	Frame
Physical Review B 15 January 77, vol. 15, no. 2	0507- 1234	0001- 0728
Physical Review Letters 21 February 77, vol. 38, no. 8	0377- 0450	0729- 0802
*Physical Review A February 77, vol. 15, no. 2	0441- 0820	0803- 1182
*Physical Review B 1 February 77, vol. 15, no. 3	1235- 1612	1183- 1560
American Journal of Physics February 77, vol. 45, no. 2	0119- 0232	1561- 1674

CPM 7702X	Page	Frame
Soviet Physics - JETP February 76, vol. 43, no. 2	0187- 0388	0001- 0202
Soviet Physics - Doklady June 76, vol. 21, no. 6	0293- 0350	0203- 0260
Soviet Astronomy Letters May 76, vol. 2, no. 2	0089- 0124	0261- 0286

Soviet Journal of Nuclear Physics May 76, vol. 23, no. 5	0489- 0608	0297- 0416	Soviet Journal of Low Temperature Physics April 76, vol. 2, no. 4	0205- 0268	1263- 1326
Soviet Astronomy July 76, vol. 20, no. 3	0255- 0384	0417- 0546	Soviet Journal of Quantum Electrons September 76, vol. 6, no. 9	1025- 1140	1327- 1442
Optics and Spectroscopy August 76, vol. 41, no. 2	0101- 0204	0547- 0650	Soviet Physics - Technical Physics June 76, vol. 21, no. 6	0647- 0774	1443- 1570
Soviet Journal of Plasma Physics May 76, vol. 2, no. 3	0201- 0290	0651- 0740	Soviet Physics - Crystallography July 76, vol. 21, no. 4	0365- 0500	1571- 1706
Soviet Physics - JETP March 76, vol. 43, no. 3	0389- 0594	0741- 0946	Soviet Physics - Uspekhi May 76, vol. 19, no. 5	0361- 0448	1707- 1794
Soviet Journal of Optical Technology July 76, vol. 43, no. 7	0397- 0456	0947- 1006	Soviet Journal of Low Temperature Physics May 76, vol. 2, no. 5	0269- 0334	1795- 1860
Soviet Physics - Technical Physics May 76, vol. 21, no. 5	0531- 0646	1007- 1122	Soviet Technical Physics Letters February 76, vol. 2, no. 2	0037- 0072	1861- 1896
Soviet Journal of Quantum Electrons August 76, vol. 6, no. 8	0885- 1024	1123- 1262			

***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. B. Donaldson, J. Op. Soc. Am., Vol. 67, No. 2 (Feb. 1977) p. 248 (32 pages, 1 fiche)
- C. Edwards, et. al., Phys. Rev. A, Vol. 15, No. 2 (Feb. 1977) p. 778 (15 pages, 1 fiche)
- C. Basu, et. al., Phys. Rev. B, Vol. 15, No. 3 (1 Feb. 1977) p. 1307 (12 pages, 1 fiche)

Monthly Table of Contents

March
1977

CPM 7703A	Page	Frame
*Journal of the Acoustical Society of America February 77, vol. 61, no. 2	0249-0628	0001-0380
Applied Physics Letters 1 March 77, vol. 30, no. 5	0217-0254	0381-0418
Journal of Chemical Physics 15 February 77, vol. 66, no. 4	1389-1766	0419-0796
Physical Review Letters 28 February 77, vol. 38, no. 9	0451-0526	0797-0872
Applied Optics March 77, vol. 16, no. 3	0521-0776	0873-1128
Applied Physics Letters 15 March 77, vol. 30, no. 6	0255-0306	1129-1180
Physical Review D 15 January 77, vol. 15, no. 2	0365-0552	1181-1368
Journal of Mathematical Physics March 77, vol. 18, no. 3	0347-0536	1369-1558
Bulletin of the American Physical Society March 77, vol. 22, no. 3	0241-0512	1559-1830

CPM 7703B	Page	Frame
American Journal of Physics March 77, vol. 45, no. 3	0233-0322	0001-0090
Journal of Applied Physics March 77, vol. 48, no. 3	0853-1390	0091-0628
Physical Review Letters 7 March 77, vol. 38, no. 10	0527-0576	0629-0678
Physical Review C March 77, vol. 15, no. 3	0843-1186	0679-1022
Physical Review D 1 February 77, vol. 15, no. 3	0553-0934	1023-1404
Review of Scientific Instruments March 77, vol. 48, no. 3	0209-0382	1405-1578
Physics Teacher March 77, vol. 15, no. 3	0129-0192	1579-1642
Physics Today March 77, vol. 30, no. 3	0001-0120	1643-1762
Physical Review Letters 14 March 77, vol. 38, no. 11	0577-0618	1763-1804

CPM 7703C	Page	Frame
Journal of Chemical Physics 1 March 77, vol. 66, no. 5	1768-2238	0001-0472
Physical Review B 15 February 77, vol. 15, no. 4	1613-2436	0473-1296
Journal of the Optical Society of America March 77, vol. 67, no. 3	0269-0422	1297-1450
Physical Review D 15 February 77, vol. 15, no. 4	0935-1188	1451-1706
Physical Review Letters 21 March 77, vol. 38, no. 12	0619-0666	1705-1752

CPM 7703D	Page	Frame
Physical Review A March 77, vol. 15, no. 3	0821-1358	0001-0538
*Journal of the Acoustical Society of America March 77, vol. 61, no. 3	0629-0912	0539-0822
Physics of Fluids March 77, vol. 20, no. 3	0345-0542	0823-1020
Bulletin of the American Astronomical Society 77, vol. 9, no. 1	0001-0292	1021-1312
Physical Review B 1 March 77, vol. 15, no. 5	2437-2846	1313-1722

CPM 7703X	Page	Frame
Soviet Journal of Nuclear Physics June 76, vol. 23, no. 6	0609-0720	0001-0112
Soviet Physics - Solid State August 76, vol. 18, no. 8	1251-1454	0113-0316
Soviet Physics - Acoustics July 76, vol. 22, no. 4	0269-0358	0317-0406
JETP Letters 20 June 76, vol. 23, no. 12	0619-0670	0407-0458
Optics and Spectroscopy September 76, vol. 41, no. 3	0205-0306	0459-0560
Soviet Journal of Low Temperature Physics June 76, vol. 2, no. 6	0335-0400	0561-0626

Soviet Physics - Doklady July 76, vol. 21, no. 7	0351- 0416	0627- 0692-	Soviet Physics - Acoustics September 76, vol. 22, no. 5	0359- 0450	1263- 1354
Soviet Physics - Crystallography September 76, vol. 21, no 5	0503- 0626	0693- 0816	Soviet Journal of Low Temperature Physics July 76, vol. 2, no. 7	0401- 0468	1355- 1422
Soviet Journal of Nuclear Physics July 76, vol. 24, no. 1	0001- 0124	0817- 0940	Soviet Physics - JETP April 76, vol. 43, no. 4	0595- 0822	1423- 1650
Soviet Physics - Semiconductors September 76, vol. 10, no. 9	0957- 1074	0941- 1058	Soviet Journal of Nuclear Physics August 76, vol. 24, no. 2	0125- 0236	1651- 1762
JETP Letters 5 July 76, vol. 24, no. 1	0001- 0042	1059- 1100	Soviet Physics - Doklady August 76, vol. 21, no. 8	0417- 0466	1763- 1812
Soviet Journal of Optical Technology August 76, vol. 43, no. 8	0457- 0520	1101- 1164	Optics and Spectroscopy October 76, vol. 41, no. 4	0307- 0420	1813- 1926

***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:

H. S. Colburn, J. Acoust. Soc. Am., Vol. 61, No. 2 (Feb. 1977), pg. 525 (98 pages, 1 fiche)
E. R. Floyd, et. al., J. Acoust. Soc. Am., Vol. 61, No. 3 (Mar. 1977) p. 682 (25 pages, 1 fiche)

PERIODICALS SECTION

APR 15 1977

MAURATO STATE
UNIVERSITY LIBRARY

Monthly Table of Contents

PER/INDE
Qc 1. C82
April
1977

CPM 7704A

	Page	Frame
Applied Physics Letters 1 April 77, vol. 30, no. 7	0307- 0360	0001- 0054
Journal of Chemical Physics 15 March 77, vol. 66, no. 6	2239- 2774	0055- 0590
Physical Review D 1 March 77, vol. 15, no. 5	1189- 1426	0591- 0828
Applied Physics Letters 15 April 77, vol. 30, no. 8	0361- 0436	0829- 0904
Bulletin of the American Physical Society April 77, vol. 22, no. 4	0513- 0672	0905- 1064
Journal of Physical and Chemical Reference Data 77, vol. 6, no. 1	0001- 0312	1065- 1376
Journal of Mathematical Physics April 77, vol. 18, no. 4	0537- 0854	1377- 1694
Physical Review Letters 28 March 77, vol. 38, no. 13	0667- 0734	1695- 1762
Physical Review Letters 4 April 77, vol. 38, no. 14	0735- 0792	1763- 1820
Physical Review Letters 18 April 77, vol. 38, no. 16	0873- 0926	1821- 1874

CPM 7704B

	Page	Frame
Applied Optics April 77, vol. 16, no. 4	0777- 1110	0001- 0334
Physical Review D 15 March 77, vol. 15, no. 6	1427- 1808	0335- 0716
Journal of Vacuum Science and Technology March 77, vol. 14, no. 2	0685- 0768	0717- 0800
Physical Review B 15 March 77, vol. 15, no. 6	2847- 3290	0801- 1244
Review of Scientific Instruments April 77, vol. 48, no. 4	0383- 0500	1245- 1362
*Journal of Chemical Physics 1 April 77, vol. 66, no. 7	2775- 3310	1363- 1898

CPM 7704C

	Page	Frame
Applied Spectroscopy March 77, vol. 31, no. 2	0087- 0186	0001- 0100

Physical Review Letters 11 April 77, vol. 38, no. 15	0793- 0872	0101- 0180
Physics Today April 77, vol. 30, no. 4	0001- 0088	0181- 0268
Medical Physics March 77, vol. 4, no. 2	0085- 0176	0269- 0360
Journal of the Acoustical Society of America April 77, vol. 61, no. 4	0913- 1120	0361- 0568
American Journal of Physics April 77, vol. 45, no. 4	0323- 0414	0569- 0660
Journal of the Optical Society of America April 77, vol. 67, no. 4	0423- 0578	0661- 0816
Physical Review A April 77, vol. 15, no. 4	1359- 1816	0817- 1274
Physical Review C April 77, vol. 15, no. 4	1187- 1612	1275- 1700
Physics of Fluids April 77, vol. 20, no. 4	0543- 0714	1701- 1872

CPM 7704X

	Page	Frame
Soviet Journal of Quantum Electronics October 76, vol. 6, no. 10	1143- 1264	0001- 0122
Soviet Physics - Solid State September 76, vol. 18, no. 9	1455- 1668	0123- 0336
Soviet Physics - Technical Physics July 76, vol. 21, no. 7	0775- 0914	0337- 0476
Soviet Technical Physics Letters March 76, vol. 2, no. 3	0073- 0110	0477- 0514
Soviet Technical Physics Letters April 76, vol. 2, no. 4	0111- 0148	0515- 0552
Soviet Physics - Technical Physics August 76, vol. 21, no. 8	0915- 1042	0553- 0680
Soviet Physics - Semiconductors October 76, vol. 10, no. 10	1075- 1208	0681- 0814
Soviet Journal of Quantum Electronics November 76, vol. 6, no. 11	1265- 1400	0815- 0950
JETP Letters 20 July 76, vol. 24, no. 2	0043- 0104	0951- 1012
JETP Letters 5 August 76, vol. 24, no. 3	0107- 0164	1013- 1070

PERIODICALS
1400S GE0950N
MAY 3 1977
UNIVERSITY LIBRARY

Soviet Technical Physics Letters May 76, vol. 2, no. 5	0149- 0188	1071- 1110	Soviet Physics - JETP May 76, vol. 43, no. 5	0823- 1056	1501- 1734
Soviet Physics - Solid State October 76, vol. 18, no. 10	1669- 1860	1111- 1302	Optics and Spectroscopy November 76, vol. 41, no. 5	0421- 0540	1735- 1854
Soviet Journal of Low Temperature Physics August 76, vol. 2, no. 8	0469- 0532	1303- 1366	Soviet Astronomy Letters July 76, vol. 2, no. 4	0125- 0162	1855- 1892
Soviet Physics - Technical Physics September 76, vol. 21, no. 9	1043- 1176	1367- 1500			

***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. Felder, et. al., J. Chem. Phys., Vol. 66, No. 7 (1 April 1977) p. 3256 (3 pages, 1 fiche)

PERIODICALS SECTION

MAY 9 1977

MANITOWISH STATE
UNIVERSITY LIBRARY

Current Physics Microform

Monthly Table of Contents

May
1977

CPM 7705A	Page	Frame			
Astronomical Journal January 77, vol. 82, no. 1	0001- 0100	0001- 0100	Physics Teacher May 77, vol. 15, no. 5	0257- 0320	0395- 0458
Physical Review B 1 April 77, vol. 15, no. 7	3291- 3574	0101- 0384	Journal of the Acoustical Society of America 77, vol. 61, supplement no. 1	0001- 0100	0459- 0558
Astronomical Journal February 77, vol. 82, no. 2	0101- 0186	0385- 0470	Journal of the Optical Society of America May 77, vol. 67, no. 5	0579- 0716	0559- 0696
Applied Physics Letters 1 May 77, vol. 30, no. 9	0439- 0498	0471- 0530	Physical Review Letters 16 May 77, vol. 38, no. 20	1103- 1174	0697- 0768
Journal of Applied Physics April 77, vol. 48, no. 4	1391- 1768	0531- 0908	Bulletin of the American Physical Society May 77, vol. 22, no. 5	0673- 0696	0769- 0792
Physics Teacher April 77, vol. 15, no. 4	0193- 0256	0909- 0972	Physical Review A May 77, vol. 15, no. 5	1817- 2134	0793- 1110
Journal of Chemical Physics 15 April 77, vol. 66, no. 8	3311- 3846	0973- 1508	Physical Review D 15 April 77, vol. 15, no. 8	2047- 2424	1111- 1488
Physical Review Letters 25 April 77, vol. 38, no. 17	0927- 0990	1509- 1572	Physical Review Letters 9 May 77, vol. 38, no. 19	1039- 1102	1489- 1552
Applied Physics Letters 15 May 77, vol. 30, no. 10	0501- 0554	1573- 1626	Journal of the Acoustical Society of America May 77, vol. 61, no. 5	1121- 1402	1553- 1834
Journal of Mathematical Physics May 77, vol. 18, no. 5	0855- 1140	1627- 1912			

CPM 7705B	Page	Frame
Review of Scientific Instruments May 77, vol. 48, no. 5	0501- 0590	0001- 0090
Review of Modern Physics April 77, vol. 49, no. 2	0233- 0434	0091- 0292
Applied Optics May 77, vol. 16, no. 5	1111- 1446	0293- 0628
Physical Review D 1 April 77, vol. 15, no. 7	1809- 2046	0629- 0866
Physical Review B 15 April 77, vol. 15, no. 8	3575- 4142	0867- 1434
American Journal of Physics May 77, vol. 45, no. 5	0415- 0506	1435- 1526
Journal of Chemical Physics 1 May 77, vol. 66, no. 9	3847- 4254	1527- 1934

CPM 7705C	Page	Frame
Journal of Applied Physics May 77, vol. 48, no. 5	1771- 2116	0001- 0346
Physical Review Letters 2 May 77, vol. 38, no. 18	0991- 1038	0347- 0394

CPM 7705D	Page	Frame
Physics Today May 77, vol. 30, no. 5	0001- 0128	0001- 0128
Physics of Fluids May 77, vol. 20, no. 5	0715- 0872	0129- 0286
Physical Review B 1 May 77, vol. 15, no. 9	4143- 4556	0287- 0700
Physical Review Letters 23 May 77, vol. 38, no. 21	1175- 1230	0701- 0756
Physical Review C May 77, vol. 15, no. 5	1613- 1946	0757- 1090
*Journal of Chemical Physics 15 May 77, vol. 66, no. 10	4255- 4724	1091- 1560
Applied Spectroscopy May 77, vol. 31, no. 3	0187- 0252	1561- 1626

CPM 7705X	Page	Frame
Soviet Physics - Uspekhi August 76, vol. 19, no. 8	0645- 0710	0001- 0066
Soviet Journal of Optical Technology October 76, vol. 43, no. 10	0583- 0640	0067- 0124

Soviet Journal of Quantum Electronics December 76, vol. 6, no. 12	1401- 1448	0125- 0172	Soviet Journal of Low Temperature Physics September 76, vol. 2, no. 9	0533- 0598	0981- 1046
Soviet Journal of Optical Technology September 76, vol. 43, no. 9	0521- 0582	0173- 0234	Soviet Journal of Particles and Nuclei April 76, vol. 7, no. 2	0117- 0232	1047- 1162
Soviet Physics - Uspekhi July 76, vol. 19, no. 7	0547- 0644	0235- 0332	Soviet Technical Physics Letters July 76, vol. 2, no. 7	0225- 0262	1163- 1200
Optics and Spectroscopy December 76, vol. 41, no. 6	0541- 0650	0333- 0442	Soviet Journal of Plasma Physics July 76, vol. 2, no. 4	0291- 0394	1201- 1304
Soviet Physics - Semiconductors November 76, vol. 10, no. 11	1209- 1324	0443- 0558	Soviet Physics - JETP June 76, vol. 43, no. 6	1057- 1256	1305- 1504
Soviet Technical Physics Letters June 76, vol. 2, no. 6	0189- 0224	0559- 0594	Soviet Technical Physics Letters August 76, vol. 2, no. 8	0263- 0300	1505- 1542
Soviet Physics - Doklady September 76, vol. 21, no. 9	0467- 0536	0595- 0664	Soviet Physics - Solid State November 76, vol. 18, no. 11	1861- 2074	1543- 1756
Soviet Journal of Nuclear Physics September 76, vol. 24, no. 3	0237- 0354	0665- 0782	Soviet Journal of Optical Technology November 76, vol. 43, no. 11	0641- 0702	1757- 1818
Soviet Physics - Uspekhi September 76, vol. 19, no. 9	0711- 0772	0783- 0844			
Soviet Astronomy July 76, vol. 20, no. 4	0385- 0520	0845- 0980			

*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:

E. D. Glandt, et. al., J. Chem. Phys., Vol. 66, No. 10 (15 May 1977) p. 4503 (39 pages, 1 fiche)

PERIODICALS SECTION

JUN 16 1977

MAHARATU STATE
UNIVERSITY LIBRARY

Monthly Table of Contents

CPM 7706A

	Page	Frame
Astronomical Journal March 77, vol. 82, no. 3	0187- 0248	0001- 0062
Applied Physics Letters 1 June 77, vol. 30, no. 11	0555- 0616	0063- 0124
Physical Review Letters 13 June 77, vol. 38, no. 24	1377- 1430	0125- 0178
*Astronomical Journal April 77, vol. 82, no. 4	0249- 0314	0179- 0244
Review of Scientific Instruments June 77, vol. 48, no. 6	0591- 0728	0245- 0382
Journal of Mathematical Physics June 77, vol. 18, no. 6	1141- 1298	0383- 0540
Applied Optics June 77, vol. 16, no. 6	1449- 1760	0541- 0852
Physical Review Letters 30 May 77, vol. 38, no. 22	1231- 1308	0853- 0930
Journal of Vacuum Science and Technology May 77, vol. 14, no. 3	0769- 0862	0931- 1024
Bulletin of the American Astronomical Society 77, vol. 9, no. 2	0293- 0428	1025- 1160
American Journal of Physics June 77, vol. 45, no. 6	0507- 0598	1161- 1252
Physical Review D 1 May 77, vol. 15, no. 9	2425- 2710	1253- 1538
Physics Today June 77, vol. 30, no. 6	0001- 0088	1539- 1626
Physical Review Index January 76, vol. 13	0001- 0274	1627- 1900

CPM 7706B

	Page	Frame
Journal of Chemical Physics 1 June 77, vol. 66, no. 11	4725- 5258	0001- 0534
Journal of Physical and Chemical Reference Data 77, vol. 6, no. 2	0317- 0618	0535- 0836
Physical Review B 15 May 77, vol. 15, no. 10	4557- 5096	0837- 1376
Physical Review Letters 6 June 77, vol. 38, no. 23	1309- 1376	1377- 1444
Physics of Fluids June 77, vol. 20, no. 6	0873- 1038	1445- 1610

Optics News 77, vol. 3, no. 1	0001- 0032	1611- 1642
Bulletin of the American Physical Society June 77, vol. 22, no. 6	0697- 0728	1643- 1674
Journal of the Optical Society of America June 77, vol. 67, no. 6	0717- 0856	1675- 1814

CPM 7706C

	Page	Frame
Journal of Applied Physics June 77, vol. 48, no. 6	2117- 2654	0001- 0538
Physical Review B 1 June 77, vol. 15, no. 11	5097- 5476	0539- 0918
Physical Review A June 77, vol. 15, no. 6	2135- 2574	0919- 1358
Physical Review D 15 May 77, vol. 15, no. 10	2711- 3076	1359- 1724
Physical Review Letters 20 June 77, vol. 38, no. 25	1433- 1504	1725- 1796

CPM 7706X

	Page	Frame
Soviet Physics - Semiconductors December 76, vol. 10, no. 12	1327- 1422	0001- 0096
Soviet Physics - Crystallography November 76, vol. 21, no. 6	0627- 0724	0097- 0194
Soviet Physics - Acoustics November 76, vol. 22, no. 6	0451- 0542	0195- 0286
Soviet Journal of Nuclear Physics October 76, vol. 24, no. 4	0355- 0456	0287- 0388
Soviet Physics - Doklady October 76, vol. 21, no. 10	0537- 0600	0389- 0452
Soviet Physics - JETP July 76, vol. 44, no. 1	0001- 0206	0453- 0658
Soviet Journal of Quantum Electronics January 77, Vol. 7, no. 1	0001- 0134	0659- 0792
Soviet Technical Physics Letters September 76, vol. 2, no. 9	0301- 0338	0793- 0830
Soviet Physics - Technical Physics October 76, vol. 21, no. 10	1179- 1316	0831- 0968
Optics and Spectroscopy January 77, vol. 42, no. 1	0001- 0122	0969- 1090

PERIODICALS SECTION

JUL 1 1977

MARKATO
UNIVERSITY

JETP Letters	0169-	1091-	Soviet Journal of Quantum		
20 August 76, vol. 24, no. 4	0238	1160	Electronics	0135-	1431-
			February 77, vol. 7, no. 2	0268	1564
JETP Letters	0239-	1161-			
5 September 76, vol. 24, no. 5	0296	1218	Soviet Journal of Low Temperature		
			Physics	0599-	1565-
Soviet Journal of Nuclear Physics	0457-	1219-	October 76, vol. 2, no. 10	0664	1630
November 76, vol. 24, no. 5	0562	1324			
			Soviet Astronomy	0521-	1631-
Soviet Physics - Uspekhi	0773-	1325-	September 76, vol. 20, no. 5	0646	1756
October 76, vol. 19, no. 10	0878	1430			

***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. E. Gullahorn, et. al., Astr. J., Vol. 82, No. 4 (April 1977) p. 309 (9 pages, 1 fiche)

Current Physics Microform

Monthly Table of Contents

July
1977

CPM 7707A	Page	Frame
Applied Physics Letters 15 June 77, vol. 30, no. 12	0617- 0670	0001- 0054
Medical Physics May 77, vol. 4, no. 3	0177- 0278	0055- 0156
Astronomical Journal May 77, vol. 82, no. 5	0315- 0388	0157- 0230
Applied Physics Letters 1 July 77, vol. 31, no. 1	0001- 0052	0231- 0282
*Physical Review C June 77, vol. 15, no. 6	1947- 2262	0283- 0598
Applied Optics July 77, vol. 16, no. 7	1761- 2012	0599- 0850
Journal of Mathematical Physics July 77, vol. 18, no. 7	1299- 1520	0851- 1072
Physical Review B 15 June 77, vol. 15, no. 12	5477- 6014	1073- 1610
Physical Review Letters 27 June 77, vol. 38, no. 26	1505- 1580	1611- 1686
Physical Review Letters 4 July 77, vol. 39, no. 1	0001- 0054	1687- 1740

CPM 7707B	Page	Frame
Review of Scientific Instruments July 77, vol. 48, no. 7	0729- 0952	0001- 0224
American Journal of Physics July 77, vol. 45, no. 7	0599- 0692	0225- 0318
Physical Review Letters 11 July 77, vol. 39, no. 2	0055- 0116	0319- 0380
Applied Physics Letters 15 July 77, vol. 31, no. 2	0053- 0138	0381- 0466
Physics of Fluids July 77, vol. 20, no. 7	1039- 1210	0467- 0638
Journal of Applied Physics July 77, vol. 48, no. 7	2655- 3192	0639- 1176
Physical Review Letters 18 July 77, vol. 39, no. 3	0117- 0164	1177- 1224
Physics Today July 77, vol. 30, no. 7	0001- 0096	1225- 1320
Journal of Chemical Physics 77, vol. 66, index	5833- 5920	1321- 1408

Journal of Chemical Physics 1 July 77, vol. 67, no. 1	0001- 0376	1409- 1784
--	---------------	---------------

CPM 7707X	Page	Frame
Soviet Astronomy Letters September 76, vol. 2, no. 5	0163- 0200	0001- 0038
Soviet Physics - Solid State December 76, vol. 18, no. 12	2075- 2178	0039- 0142
Soviet Physics - Uspekhi November 76, vol. 19, no. 11	0879- 0968	0143- 0232
Soviet Journal of Optical Technology December 76, vol. 43, no. 12	0703- 0760	0233- 0290
Soviet Physics - Technical Physics November 76, vol. 21, no. 11	1317- 1458	0291- 0432
Soviet Journal of Plasma Physics September 76, vol. 2, no. 5	0397- 0490	0433- 0526
Soviet Technical Physics Letters October 76, vol. 2, no. 10	0339- 0376	0527- 0564
Soviet Physics - Semiconductors January 77, vol. 11, no. 1	0001- 0124	0565- 0688
Soviet Physics - Solid State January 77, vol. 19, no. 1	0001- 0188	0689- 0876
Soviet Journal of Optical Technology January 77, vol. 44, no. 1	0001- 0062	0877- 0938
Soviet Physics - Doklady November 76, vol. 21, no. 11	0601- 0690	0939- 1028
JETP Letters 20 September 76, vol. 24, no. 6	0297- 0358	1029- 1090
Soviet Technical Physics Letters November 76, vol. 2, no. 11	0377- 0416	1091- 1130
Soviet Journal of Low Temperature Physics November 76, vol. 2, no. 11	0665- 0730	1131- 1196
Soviet Journal of Particles and Nuclei July 76, vol. 7, no. 3	0233- 0346	1197- 1310
Soviet Physics - JETP August 76, vol. 44, no. 2	0207- 0434	1311- 1538
Optics and Spectroscopy February 77, vol. 42, no. 2	0123- 0234	1539- 1650

***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. West, Jr., et. al., Phy. Rev. C, Vol. 15, No. 6 (June 1977) p. 2052 (10 pages, 1 fiche)

Monthly Table of Contents

August 1977

CPM 7708A	Page	Frame
Journal of the Acoustical Society of America June 77, vol. 61, no. 6	1403- 1652	0001- 0250
Astronomical Journal June 77, vol. 82, no. 6	0389- 0452	0251- 0314
*Journal of Chemical Physics 15 June 77, vol. 66, no. 12	5259- 5832	0315- 0888
Physical Review D 1 June 77, vol. 15, no. 11	3077- 3506	0889- 1318
Journal of Vacuum Science and Technology July 77, vol. 14, no. 4	0865- 1050	1319- 1504
Physical Review D 15 June 77, vol. 15, no. 12	3507- 3776	1505- 1774

CPM 7708B	Page	Frame
Physical Review A July 77, vol. 16, no. 1	0001- 0458	0001- 0458
Physical Review Letters 25 July 77, vol. 39, no. 4	0165- 0244	0459- 0538
*Journal of Mathematical Physics August 77, vol. 18, no. 8	1521- 1710	0539- 0728
Review of Scientific Instruments August 77, vol. 48, no. 8	0953- 1122	0729- 0898
Journal of the Optical Society of America July 77, vol. 67, no. 7	0857- 0996	0899- 1038
Applied Physics Letters 1 August 77, vol. 31, no. 3	0139- 0242	1039- 1142
Applied Physics Letters 15 August 77, vol. 31, no. 4	0243- 0310	1143- 1210
Medical Physics July 77, vol. 4, no. 4	0279- 0378	1211- 1310
Review of Modern Physics July 77, vol. 49, no. 3	0435- 0716	1311- 1592
Bulletin of the American Astronomical Society 77, vol. 9, no. 3	0429- 0486	1593- 1650
Physical Review Letters 1 August 77, vol. 39, no. 5	0245- 0306	1651- 1712

CPM 7708C	Page	Frame
Applied Optics August 77, vol. 16, no. 8	2013- 2332	0001- 0320
Journal of Chemical Physics 15 July 77, vol. 67, no. 2	0377- 0850	0321- 0794
Physical Review B 1 July 77, vol. 16, no. 1	0001- 0600	0795- 1394
Applied Physics Letters 77, vol. 30, index	0671- 0716	1395- 1440
Physical Review C July 77, vol. 16, no. 1	0001- 0498	1441- 1938

CPM 7708D	Page	Frame
American Journal of Physics August 77, vol. 45, no. 8	0693- 0786	0001- 0094
Journal of the Acoustical Society of America 77, vol. 61, supplement no. 2	0001- 0284	0095- 0378
Physical Review Letters 8 August 77, vol. 39, no. 6	0307- 0368	0379- 0440
Physics Today August 77, vol. 30, no. 8	0001- 0080	0441- 0520
Physical Review D 1 July 77, vol. 16, no. 1	0001- 0236	0521- 0756
Journal of the Acoustical Society of America August 77, vol. 62, no. 2	0245- 0496	0757- 1008
Physical Review Letters 15 August 77, vol. 39, no. 7	0369- 0424	1009- 1064
Physics of Fluids August 77, vol. 20, no. 8	1211- 1384	1065- 1238
Applied Spectroscopy July 77, vol. 31, no. 4	0253- 0364	1239- 1350
Journal of Applied Physics August 77, vol. 48, no. 8	3193- 3634	1351- 1792

CPM 7708X	Page	Frame
Soviet Journal of Nuclear Physics December 76, vol. 24, no. 6	0567- 0660	0001- 0094

Soviet Physics - Uspekhi December 76, vol. 19, no. 12	0969- 1034	0095- 0160	JETP Letters 5 November 76, vol. 24, no. 9	0445- 0486	1005- 1046
Soviet Physics - Semiconductors February 77, vol. 11, no. 2	0127- 0244	0161- 0278	Soviet Physics - Semiconductors March 77, vol. 11, no. 3	0245- 0360	1047- 1162
JETP Letters 5 October 76, vol. 24, no. 7	0359- 0418	0279- 0338	Soviet Technical Physics Letters January 77, vol. 3, no. 1	0001- 0038	1163- 1200
JETP Letters 20 October 76, vol. 24, no. 8	0419- 0444	0339- 0364	Soviet Physics - Acoustics January 77, vol. 23, no. 1	0001- 0106	1201- 1306
Soviet Physics - Uspekhi January 77, vol. 20, no. 1	0001- 0096	0365- 0460	Soviet Physics - Technical Physics January 77, vol. 22, no. 1	0001- 0144	1307- 1450
Soviet Journal of Quantum Electronics March 77, vol. 7, no. 3	0269- 0402	0461- 0594	Optics and Spectroscopy March 77, vol. 42, no. 3	0235- 0348	1451- 1564
Soviet Physics - JETP September 76, vol. 44, no. 3	0435- 0652	0595- 0812	Soviet Journal of Quantum Electronics April 77, vol. 7, no. 4	0403- 0540	1565- 1702
Soviet Physics - Solid State February 77, vol. 19, no. 2	0189- 0380	0813- 1004	Soviet Physics - Crystallography January 77, vol. 22, no. 1	0001- 0130	1703- 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:

S. Schindler, et. al., J. Math. Phys., Vol. 18, No. 8 (August 1977) p. 1697 (84 pages, 1 fiche)
J. Epstein, et. al., J. Chem. Phys., Vol. 66, No. 12 (15 June 1977) p. 5564 (7 pages, 1 fiche)

Current Physics Microform

Monthly Table of Contents

September 1977

CPM 7709A

	Page	Frame
Journal of the Acoustical Society of America July 77, vol. 62, no. 1	0001-0218	0001-0218
Astronomical Journal July 77, vol. 82, no. 7	0453-0540	0219-0306
*Astronomical Journal August 77, vol. 82, no. 8	0541-0664	0307-0430
Physical Review B 15 July 77, vol. 16, no. 2	0601-0950	0431-0780
Physical Review Letters 22 August 77, vol. 39, no. 8	0425-0512	0781-0868
Physical Review A August 77, vol. 16, no. 2	0459-0806	0869-1216
Physical Review Letters 29 August 77, vol. 39, no. 9	0513-0584	1217-1288
*Journal of the Optical Society of America August 77, vol. 67, no. 8	0997-1136	1289-1428
Journal of Mathematical Physics September 77, vol. 18, no. 9	1711-1898	1429-1616
Physics Teacher September 77, vol. 15, no. 6	0321-0384	1617-1680
Optics Letters July 77, vol. 1, no. 1	0001-0046	1681-1726
Optics Letters August 77, vol. 1, no. 2	0049-0078	1727-1756
Optics Letters September 77, vol. 1, no. 3	0081-0112	1757-1788

CPM 7709B

	Page	Frame
*Journal of Chemical Physics 1 August 77, vol. 67, no. 3	0851-1292	0001-0442
Physical Review C August 77, vol. 16, no. 2	0499-0922	0443-0866
Applied Optics September 77, vol. 16, no. 9	2333-2580	0867-1114
Journal of Physical and Chemical Reference Data 77, vol. 6, no. 3	0621-1104	1115-1598
Review of Scientific Instruments September 77, vol. 48, no. 9	1123-1244	1599-1720
Applied Physics Letters 1 September 77, vol. 31, no. 5	0313-0368	1721-1776

Physical Review Letters 5 September 77, vol. 39, no. 10	0585-0676	1777-1868
--	-----------	-----------

CPM 7709C

	Page	Frame
Physical Review B 1 August 77, vol. 16, no. 3	0951-1296	0001-0346
Physical Review B 15 August 77, vol. 16, no. 4	1297-1770	0347-0820
*Journal of Chemical Physics 15 August 77, vol. 67, no. 4	1293-1798	0821-1326
Physical Review D 15 July 77, vol. 16, no. 2	0237-0536	1327-1626
Physical Review Letters 12 September 77, vol. 39, no. 11	0677-0732	1627-1682
Physical Review Letters 26 September 77, vol. 39, no. 13	0781-0852	1683-1754

CPM 7709D

	Page	Frame
Physical Review D 1 August 77, vol. 16, no. 3	0537-0918	0001-0382
Applied Physics Letters 15 September 77, vol. 31, no. 6	0369-0402	0383-0416
Journal of Applied Physics September 77, vol. 48, no. 9	3635-4006	0417-0788
Physics Today September 77, vol. 30, no. 9	0001-0104	0789-0892
Physical Review Letters 19 September 77, vol. 39, no. 12	0733-0780	0893-0940
AIP Conference Proceedings 77, no. 37	0001-0152	0941-1092

Bulletin of the American Physical Society July/August 77, vol. 22, no. 7	0729-0972	1093-1336
American Journal of Physics September 77, vol. 45, no. 9	0787-0892	1337-1442
Physical Review D 15 August 77, vol. 16, no. 4	0919-1250	1443-1774

CPM 7709X

	Page	Frame
Soviet Physics - Technical Physics December 76, vol. 21, no. 12	1459-1546	0001-0088
Soviet Technical Physics Letters December 76, vol. 2, no. 12	0417-0450	0089-0122

Soviet Journal of Low Temperature Physics December 76, vol. 2, no. 12	0731- 0768	0123- 0160	Soviet Physics - Doklady January 77, vol. 22, no. 1	0001- 0050	0959- 1008
Soviet Physics - Doklady December 76, vol. 21, no. 12	0691- 0758	0161- 0228	Soviet Technical Physics Letters February 77, vol. 3, no. 2	0039- 0076	1009- 1046
Soviet Journal of Plasma Physics November 76, vol. 2, no. 6	0491- 0578	0229- 0316	Soviet Physics - Solid State March 77, vol. 19, no. 3	0381- 0554	1047- 1220
Soviet Astronomy Letters November 76, vol. 2, no. 6	0201- 0236	0317- 0352	Soviet Journal of Optical Technology February 77, vol. 44, no. 2	0063- 0126	1221- 1284
JETP Letters 20 November 76, vol. 24, no. 10	0491- 0538	0353- 0400	Soviet Journal of Low Temperature Physics January 77, vol. 3, no. 1	0001- 0066	1285- 1350
Soviet Physics - Uspekhi February 77, vol. 20, no. 2	0097- 0178	0401- 0482	Soviet Astronomy Letters January 77, vol. 3, no. 1	0001- 0050	1351- 1400
Soviet Journal of Particles and Nuclei October 76, vol. 7, no. 4	0349- 0448	0483- 0582	Soviet Physics - Semiconductors April 77, vol. 11, no. 4	0361- 0480	1401- 1520
Soviet Astronomy November 76, vol. 20, no. 6	0647- 0766	0583- 0702	Soviet Physics - JETP November 76, vol. 44, no. 5	0869- 1050	1521- 1702
Soviet Physics - JETP October 76, vol. 44, no. 4	0653- 0868	0703- 0918	Soviet Physics - Technical Physics February 77, vol. 22, no. 2	0145- 0288	1703- 1846
JETP Letters 5 December 76, vol. 24, no. 11	0543- 0582	0919- 0958			

***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. Winkler, Astr. J., Vol. 82, No. 8 (August 1977) p. 648 (4 pages, 1 fiche)
- P. Baumeister, et. al., J. Opt. Soc. Am., Vol. 67, No. 8 (August 1977) p. 1039 (23 pages, 1 fiche)
- E. J. Cukauskas, et. al., J. Chem. Phys., Vol. 67, No. 3 (1 August 1977) p. 1257 (12 pages, 1 fiche)
- J. D. Goddard, et. al., J. Chem. Phys., Vol. 67, No. 3 (1 August 1977) p. 1281 (7 pages, 1 fiche)
- G. Pfeffer, et. al., J. Chem. Phys., Vol. 67, No. 4 (15 August 1977) p. 1394 (13 pages, 1 fiche)

Current Physics Microform

October
1977

Monthly Table of Contents

CPM 7710A

	Page	Frame
Applied Physics Letters	0405-	0001-
1 October 77, vol. 31, no. 7	0484	0080
*Astronomical Journal	0665-	0081-
September 77, vol. 82, no. 9	0756	0172
Physics of Fluids	1385-	0173-
September 77, vol. 20, no. 9	1588	0376
Journal of the Acoustical Society of America	0497-	0377-
September 77, vol. 62, no. 3	0790	0670
Physical Review A	0807-	0671-
September 77, vol. 16, no. 3	1340	1204
Medical Physics	0379-	1205-
September 77, vol. 4, no. 5	0470	1296
Optics News	0005-	1297-
77, vol. 3, no. 3	0048	1340
Review of Scientific Instruments	1245-	1341-
October 77, vol. 48, no. 10	1372	1468
Journal of Mathematical Physics	1899-	1469-
October 77, vol. 18, no. 10	2086	1656
Bulletin of the American Physical Society	0973-	1657-
September 77, vol. 22, no. 8	1052	1736
Physical Review Letters	0853-	1737-
3 October 77, vol. 39, no. 14	0902	1786

CPM 7710B

	Page	Frame
*Journal of Chemical Physics	1799-	0001-
1 September 77, vol. 67, no. 5	2398	0600
Journal of the Optical Society of America	1137-	0601-
September 77, vol. 67, no. 9	1288	0752
Physical Review B	1771-	0753-
1 September 77, vol. 16, no. 5	2336	1318
Physical Review C	0923-	1319-
September 77, vol. 16, no. 3	1288	1684
Applied Optics	2581-	1685-
October 77, vol. 16, no. 10	2774	1878

CPM 7710C

	Page	Frame
Physics Teacher	0385-	0001-
October 77, vol. 15, no. 7	0448	0064
*Astronomical Journal	0773-	0065-
October 77, vol. 82, no. 10	0854	0146

Applied Physics Letters	0487-	0147-
15 October 77, vol. 31, no. 8	0548	0208
Journal of Applied Physics	4013-	0209-
October 77, vol. 48, no. 10	4416	0612
Journal of the Acoustical Society of America	0813-	0613-
October 77, vol. 62, no. 14	1060	0860
Applied Spectroscopy	0365-	0861-
September 77, vol. 31, no. 5	0484	0980
Physical Review Letters	0903-	0981-
10 October 77, vol. 39, no. 15	0974	1052
Optics Letters	0113-	1053-
October 77, vol. 1, no. 4	0142	1082
Physics Today	0001-	1083-
October 77, vol. 30, no. 10	0104	1186
Bulletin of the American Physical Society	1053-	1187-
October 77, vol. 22, no. 9	1232	1366
Physical Review D	1251-	1367-
1 September 77, vol. 16, no. 5	1600	1716

CPM 7710D

	Page	Frame
American Journal of Physics	0893-	0001-
October 77, vol. 45, no. 10	1016	0124
Physical Review Letters	0975-	0125-
17 October 77, vol. 39, no. 16	1046	0196
Optics Letters	0113-	0197-
October 77, vol. 1, no. 4	0142	0226
Physical Review A	1341-	0227-
October 77, vol. 16, no. 4	1746	0632
Physical Review Letters	1047-	0633-
24 October 77, vol. 39, no. 17	1108	0694

CPM 7710X

	Page	Frame
JETP Letters	0001-	0001-
5 January 77, vol. 25, no. 1	0066	0066
Optics and Spectroscopy	0349-	0067-
April 77, vol. 42, no. 4	0458	0176
Soviet Physics - Doklady	0051-	0177-
February 77, vol. 22, no. 2	0100	0226
Soviet Physics - Solid State	0555-	0227-
April 77, vol. 19, no. 4	0722	0394
Soviet Journal of Nuclear Physics	0001-	0395-
January 77, vol. 25, no. 1	0126	0520

Soviet Physics - Uspekhi March 77, vol. 20, no. 3	0179- 0278	0521- 0620	JETP Letters 20 January 77, vol. 25, no. 2	0067- 0126	1217- 1276
Soviet Physics - Acoustics March 77, vol. 23, no. 2	0107- 0190	0621- 0704	JETP Letters 5 February 77, vol. 25, no. 3	0129- 0164	1277- 1312
Soviet Physics - Semiconductors May 77, vol. 11, no. 5	0481- 0602	0705- 0826	JETP Letters 20 February 77, vol. 25, no. 4	0165- 0208	1313- 1356
Soviet Physics - Crystallography March 77, vol. 22, no. 2	0131- 0258	0827- 0954	JETP Letters 20 December 76, vol. 24, no. 12	0583- 0668	1357- 1442
Soviet Journal of Quantum Electronics May 77, vol. 7, no. 5	0541- 0670	0955- 1084	Soviet Technical Physics Letters March 77, vol. 3, no. 3	0077- 0116	1443- 1482
Soviet Astronomy January 77, vol. 21, no. 1	0001- 0132	1085- 1216	Soviet Physics - Acoustics May 77, vol. 23, no. 3	0191- 0284	1483- 1576

*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:

A. D. Grauer, et. al., Astr. J., Vol. 82, No. 9 (September 1977) p. 740 (12 pages, 1 fiche)
 S. C. Abrahams, et. al., J. Chem. Phys., Vol. 67, No. 5 (1 September 1977) p. 2146 (21 pages, 1 fiche)
 P. K. Lu, Astr. J., Vol. 82, No. 10 (October 1977) p. 773 (4 pages, 1 fiche)

RECEIVED SECTION
 11/17/77
 11/17/77
 11/17/77

Monthly Table of Contents

November 1977

CPM 7711A	Page	Frame
Applied Physics Letters 1 November 77, vol. 31, no. 9	0551- 0638	0001- 0088
Journal of Chemical Physics 15 September 77, vol. 67, no. 6	2399- 2934	0089- 0624
Journal of the Optical Society of America October 77, vol. 67, no. 10	1293- 1360	0625- 0692
Journal of Mathematical Physics November 77, vol. 18, no. 11	2087- 2242	0693- 0848
Journal of Vacuum Science and Technology September 77, vol. 14, no. 5	1051- 1242	0849- 1040
Physics of Fluids Oct. 77, vol. 20, no. 10, part I	1589- 1792	1041- 1244
Physics of Fluids Oct. 77, vol. 20, no. 10, part II	0001- 0298	1245- 1542
Applied Physics Letters 15 November 77, vol. 31, no. 10	0641- 0714	1543- 1616
Physics Teacher November 77, vol. 15, no. 8	0449- 0512	1617- 1680
Bulletin of the American Physical Society November 77, vol. 22, no. 10	1233- 1304	1681- 1752
Physical Review Letters 31 October 77, vol. 39, no. 18	1109- 1172	1753- 1816

CPM 7711B	Page	Frame
*Physical Review B 15 September 77, vol. 16, no. 6	2337- 3000	0001- 0664
Physical Review B 1 October 77, vol. 16, no. 7	3001- 3282	0665- 0946
*Physical Review C October 77, vol. 16, no. 4	1289- 1696	0947- 1354
Journal of Chemical Physics 1 October 77, vol. 67, no. 7	2935- 3404	1355- 1824

CPM 7711C	Page	Frame
Astronomical Journal November 77, vol. 82, no. 11	0855- 0934	0001- 0080
Bulletin of the American Astronomical Society 77, vol. 9, no. 4, part I	0487- 0552	0081- 0146

Review of Modern Physics October 77, vol. 49, no. 4	0717- 0972	0147- 0402
Applied Optics November 77, vol. 16, no. 11	2775- 3060	0403- 0688
Journal of the Acoustical Society of America November 77, vol. 62, no. 5	1095- 1316	0689- 0910
Review of Scientific Instruments November 77, vol. 48, no. 11	1375- 1528	0911- 1064
American Journal of Physics November 77, vol. 45, no. 11	1017- 1138	1065- 1186
Optics Letters November 77, vol. 1, no. 5	0149- 0184	1187- 1222
Optics News 77, vol. 3, no. 2	0001- 0030	1223- 1252
AIP Conference Proceedings 77, no. 38	0001- 0152	1253- 1404
Physical Review Letters 7 November 77, vol. 39, no. 19	1173- 1236	1405- 1468
Physical Review D 15 September 77, vol. 16, no. 6	1601- 1982	1469- 1850
Physical Review Letters 14 November 77, vol. 39, no. 20	1237- 1300	1851- 1914

CPM 7711D	Page	Frame
Physical Review A November 77, vol. 16, no. 5	1747- 2202	0001- 0456
*Physical Review B 15 October 77, vol. 16, no. 8	3283- 3850	0457- 1024
Journal of the Acoustical Society of America 77, vol. 62, supplement no. 1	0001- 0106	1025- 1130
Physical Review Letters 21 November 77, vol. 39, no. 21	1301- 1372	1131- 1202
Physics Today November 77, vol. 30, no. 11	0001- 0112	1203- 1314

CPM 7711X	Page	Frame
Soviet Physics - JETP December 76, vol. 44, no. 6	1051- 1268	0001- 0218
Soviet Physics - Solid State May 77, vol. 19, no. 5	0723- 0902	0219- 0398

Soviet Journal of Low Temperature Physics	0067- 0130	0399- 0462	Soviet Physics - Uspekhi April 77, vol. 20, no. 4	0279- 0360	0751- 0832
February 77, vol. 3, no. 2					
Soviet Journal of Plasma Physics	0001- 0108	0463- 0570	Soviet Physics - Technical Physics March 77, vol. 22, no. 3	0289- 0406	0833- 0950
January 77, vol. 3, no. 1					
JETP Letters	0211- 0258	0571- 0618	Soviet Journal of Optical Technology	0127- 0190	0951- 1014
5 March 77, vol. 25, no. 5			March 77, vol. 44, no. 3		
JETP Letters	0261- 0286	0619- 0644	Soviet Journal of Nuclear Physics February 77, vol. 25, no. 2	0127- 0254	1015- 1142
20 March 77, vol. 25, no. 6					
JETP Letters	0289- 0316	0645- 0672	Soviet Journal of Plasma Physics March 77, vol. 3, no. 2	0109- 0244	1143- 1278
5 April 77, vol. 25, no. 7					
Soviet Physics - Doklady	0101- 0178	0673- 0750	Soviet Astronomy Letters March 77, vol. 3, no. 2	0051- 0102	1279- 1312
March 77, vol. 22, no. 3					

***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:

- S. Legvold, et. al., Phys. Rev. B, Vol. 16, No. 6 (15 Sept. 1977) p. 2479 (3 pages, 1 fiche)
- R. Eagle, et. al., Phys. Rev. C, Vol. 16, No. 4 (Oct. 1977) p. 1314 (9 pages, 1 fiche)
- J. A. Bieszk, et. al., Phys. Rev. C, Vol. 16, No. 4 (Oct. 1977) p. 1333 (23 pages, 1 fiche)
- D. E. Bainum, et. al., Phys. Rev. C, Vol. 16, No. 4 (Oct. 1977) p. 1377 (10 pages, 1 fiche)
- K. Portz, et. al., Phys. Rev. B, Vol. 16, No. 8 (15 Oct. 1977) p. 3535 (11 pages, 1 fiche)

Current Physics Microform

Monthly Table of Contents

December
1977

CPM 7712A	Page	Frame
Applied Physics Letters 1 December 77, vol. 31, no. 11	0719- 0788	0001- 0070
Physics of Fluids November 77, vol. 20, no. 11	1793- 1966	0071- 0244
Journal of Chemical Physics 15 October 77, vol. 67, no. 8	3405- 3844	0245- 0684
Journal of Applied Physics November 77, vol. 48, no. 11	4423- 4856	0685- 1118
Bulletin of the American Physical Society 1 December 77, vol. 22, no. 11	1305- 1344	1119- 1158
Physical Review C November 77, vol. 16, no. 5	1697- 2104	1159- 1566
Physical Review B 1 November 77, vol. 16, no. 9	3851- 4194	1567- 1910

CPM 7712B	Page	Frame
Physical Review D 1 October 77, vol. 16, no. 7	1983- 2394	0001- 0412
Physical Review Letters 28 November 77, vol. 39, no. 22	1373- 1428	0413- 0468
Physical Review D 15 October 77, vol. 16, no. 8	2395- 2678	0469- 0752
Journal of the Optical Society of America November 77, vol. 67, no. 11	1451- 1606	0753- 0908
*Journal of Chemical Physics 1 November 77, vol. 67, no. 9	3845- 4316	0909- 1380
Medical Physics November 77, vol. 4, no. 6	0471- 0562	1381- 1472
Physical Review Letters 5 December 77, vol. 39, no. 23	1429- 1498	1473- 1542
Physical Review D 1 November 77, vol. 16, no. 9	2679- 2914	1543- 1778
Physics Teacher December 77, vol. 15, no. 9	0513- 0576	1779- 1842
Bulletin of the American Physical Society 15 December 77, vol. 22, no. 12	1345- 1382	1843- 1880

CPM 7712C	Page	Frame
*Journal of Chemical Physics 15 November 77, vol. 67, no. 10	4317- 4786	0001- 0470
Applied Spectroscopy November 77, vol. 31, no. 6	0485- 0590	0471- 0576
Applied Optics December 77, vol. 16, no. 12	3061- 3288	0577- 0804
Physical Review Letters 12 December 77, vol. 39, no. 24	1499- 1586	0805- 0892
Physical Review D 15 November 77, vol. 16, no. 10	2915- 3102	0893- 1080
Physical Review Index 76, vol. 14	0001- 0306	1081- 1386
*Physical Review C December 77, vol. 16, no. 6	2105- 2464	1387- 1746
Physics Today December 77, vol. 30, no. 12	0001- 0096	1747- 1842
Physical Review Letters 19 December 77, vol. 39, no. 25	1587- 1640	1843- 1896

CPM 7712X	Page	Frame
JETP Letters 20 April 77, vol. 25, no. 8	0321- 0370	0001- 0050
Optics and Spectroscopy May 77, vol. 42, no. 5	0459- 0582	0051- 0174
Soviet Journal of Quantum Electronics June 77, vol. 7, no. 6	0671- 0798	0175- 0302
Soviet Journal of Optical Technology April 77, vol. 44, no. 4	0191- 0252	0303- 0364
Soviet Physics - Semiconductors June 77, vol. 11, no. 6	0603- 0722	0365- 0484
Soviet Journal of Low Temperature Physics March 77, vol. 3, no. 3	0131- 0196	0485- 0550
Soviet Technical Physics Letters April 77, vol. 3, no. 4	0117- 0156	0551- 0590
Soviet Journal of Particles and Nuclei January 77, vol. 8, no. 1	0001- 0092	0591- 0682

Soviet Physics - Crystallography May 77, vol. 22, no. 4	0259- 0388	0683- 0812	Soviet Physics - Uspekhi May 77, vol. 20, no. 5	0361- 0466	1125- 1230
Soviet Physics - Doklady April 77, vol. 22, no. 4	0179- 0236	0813- 0870	Soviet Physics - Solid State June 77, vol. 19, no. 6	0903- 1120	1231- 1430
Soviet Astronomy March 77, vol. 21, no. 2	0133- 0256	0871- 0994	Soviet Physics - Semiconductors July 77, vol. 11, no. 7	0723- 0850	1431- 1558
Soviet Journal of Quantum Electronics July 77, vol. 7, no. 7	0799- 0928	0995- 1124	Soviet Physics - Solid State July 77, vol. 19, no. 7	1121- 1298	1559- 1736

***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:

H. B. Schlegel, et. al., J. Chem. Phys., Vol. 67, No. 9 (1 Nov. 1977) p. 4181 (1 page, 1 fiche)
H. B. Schlegel, et. al., J. Chem. Phys., Vol. 67, No. 9 (1 Nov. 1977) p. 4194 (1 page, 1 fiche)
A. F. Turfa, et. al., J. Chem. Phys., Vol. 67, No. 10 (15 Nov. 1977) p. 4463 (1 page, 1 fiche)
R. F. Haglund, Jr., et. al., Phys. Rev. C, Vol. 16, No. 6 (Dec. 1977) p. 2151 (1 page, 1 fiche)
T. R. Fisher, et. al., Phys. Rev. C, Vol. 16, No. 6 (Dec. 1977) p. 2367 (1 page, 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