Seismischer Bericht der Erdbebenstation

Bensberg bei Köln

1. Januar bis 31. März 1964

JANUAR 1964

1. eiZV P 17 38 44.5 Kompr., eZ 17 38 58.5, eZ 17 43 08, eV LR 18 07.4 (T=38), V MR 18 17.5 (T=18); D=8750 km. USCGS: 45.4 N, 151.9 E; h=45 km. Gebiet der Kurilen. Mag.=5.4 (CGS).

1. eZ P 22 54 28; sehr schwache Spur. USCGS: 45.5 N, 151.7 E; h=45 km Gebiet der Kurilen. Mag.=4.7 (CGS).

2. eZ P 05 13 25.0. USCGS: 53.0 N, 159.6 E; h=40 km. Kamtschatka. Mag.=4.9 (CGS).

3. eZ P 17 32 39; schwache Spur. USCGS: 52.8 N, 173.1 E; h=33 km. Ratten-Inseln, Aleuten. Mag.=4.9 (CGS).

3. iZ PKP1 21 43 44.8 Dilat., eZ PKP2 21 43 52. USCGS: 20.4 S, 178.2 W; h=520 km. Fidschi-Inseln. Mag.= 5.3 (CGS).

4. eZ 06 45 15.

4. eZ 10 12 00.

5. eZ PKP 03 24 23. USCGS: 20.6 S, 179.0W; h=650 km. Fidschi-Inseln. Mag.=4.6 (CGS).

5. eZ (PKP) 10 31 54.8, eZ 10 32 11.5, eZ 10 32 24. USCGS: 26.6 S, 175.7 W; h=31 km. Gebiet der Kermadec-Inseln. Mag.= 5.1 (CGS).

5. (e)Z PKP 16 46 31.5, eV LR 17 59 (T=25), V MR 18 06 (T=20). USCGS: 41.4 S, 154.9 E; h=33 km. Gebiet der Macquarie-Inseln.

5. eiZV P 18 46 43.0 Dilat. ((T1.0, Az=01); D=10000 km. USCGS: 8.0 S, 74.5 W; h=150 km. Mittel-Peru. Mag.=5.2 (CGS).

5. eiZV PP 24 04 31, eV 24 05 11, eV SP 24 13 31, eV (SS) 24 18 10, eV LR 24 35.6 (T=34), V MR 24 47 (T=18); D=11500 km. USCGS: 52.3 S, 28.6 E; h=33 km. Gebiet der Prinz Eduard-Inseln.

6. eiZ P 06 07 11, eZ 06 07 33. USCGS: 27.2 N, 127.3 E; h=110 km. Gebiet der Riu-Kiu-Inseln. Mag.=5.7 (CGS).

6. eZ 18 01 59.

6. iZV P 23 57 05 Kompr., eZ 23 57 23, eV LR 24 23.5 (T=42), V MR 2: 34 (T=22); D= 8350 km. USCGS: 50.9 N, 157.3 E; h=33 km. Kamtschatka, Mag=5.7 (CGS).

7. eiE (Sg) 15 38 38.5; nahe.

7. eZ PKP 23 32 16.5 ; schwache Spur. USCGS: 18.3 S, 173.4 W; h=33km. Tonga-Inseln. Mag.= 4.7 (CGS).

8. eZ PKP 12 18 26, eZ 12 18 48. USCGS: 18.8 S, 173.8 W; h=33km. Tonga-Inseln. Mag.= 4.8 (CGS).

8. iZ P18 43 53.4 Kompr. (T=1.0, Az=0.3), iZ 18 44 03.4, eZ 18 44 22.5, eV LR 19 12.5 (T=32), V MR 19 19.5 (T=24); D=8750 km. USCGS: 45.5 N, 150.9 E; h=40 km. Kurilen. Mag.=5.6 (CGS).

10. iZ P 05 02 59.0 Kompr. (T=1.1, Az=0.2), eZ 05 03 13.5, eZ 05 03 51, eV LR 05 32.5 (T=36), V MR 05 41.5 (T=20); D=8850 km. USCGS: 42.0 N, 142.6 E; h=33 km. Südküste von Hokkaido, Japan. Mag.=5.5 (CGS).

10. eZ P 17 09 25.0, eV LR 17 44 (T=24), V MR 17 48.5 (T=18). USCGS: 45.4 N, 150.0 E; h=50 km. Kurilen. Mag.=5.4 (CGS).

12. eiZ P 06 11 58.[illegible] Kompr. (T=1.5, Az=0.1), eZ 06 12 15.3, eZ 06 12 34.5, eV LR 06 48 (T=24), V MR 06 53.5 (T=17); D=8500 km. USCGS: 53.2 N, 166.3 W; h=33 km. Aleuten. Mag.=5.5 (CGS).

12. eZ P 12 52 52. USCGS: 31.6 N, 49.4 E; h=67 km. Persien. Mag.=5.2 (CGS).

13. eZ P 13 37 01.2. USCGS: 46.6 N, 152.1 E; h=20 km. Kurilen. Mag.=4.9 (CGS).

14. eZ P 01 22 45.0 Dilat. USCGS: 52.9 N, 159.6 E; h=50 km. Kamtschatka. Mag.=4.9 (CGS).

14. eZ PKP 15 56 56.5.

15. eZ P 02 35 47.8 Kompr. (T=1.0, Az=0.06). USCGS: 45.3 N, 150.6 E; h=45 km. Kurilen. Mag.=5.3 (CGS).

15. eZ 14 29 37.

15. eiZ P 21 48 59.5 Kompr. (T=1.8, Az=0.55), eZ 21 49 33, eiE S 21 59 26.0, iZV SP 22 00 50, eiV 22 01 14, eV LR 22 23 (T=36), V MR 22 33.5 (T=20), V MR 22 36 (T=18); D=10000 km. USCGS: 29.1 N, 140.8 E; h=70 km. Südlich Hondo, Japan. Mag.=6.4 (CGS).

17. eiZ P 03 06 23.5 Kompr. (T=1.0, Az=0.14). USCGS: 45.4 N, 151.3 E; h=55 km. Kurilen. Mag.=5.1 (CGS).

17. iZ PKP 03 14 09.5 Kompr. (T=1.0, Az=0.14), eZ 03 14 16, eiZ 03 14 29. USCGS: 21.6 S, 169.9 E; h=33 km. Loyalty-Inseln.

18. iZV P 12 17 18.5 Kompr. (T=2.8, Az=0.95), eV 12 17 47, eiZV PP 12 20 38.5, eVE S 12 27 42.5, eiE 12 27 51, eiV SP 12 28 45, eV SPP 12 28 18, eV LR 12 48 34 (T=38), V MR 12 53.4 (T=17), V MR 12 59.8 (T=15); D=9550 km. USCGS: 23.1 N, 120.5 E; h=33 km. Formosa. 110 Tote, 479 Verletzte. Mag.=6.7 (Pas.), 6.5-6.7 (Pal.), 6.1 (CGS).

18. eZ 22 47 03, eZ 22 47 27.

19. iZ P 09 21 49.5 Kompr. (T=1.0, Az=0.12), eZ 09 21 57; D=4750 km. USCGS: 26.9 N, 54.0 E; h=33 km. Süd-Persien. Mag.=5.6 (CGS).

19. iZ PKP 23 41 50.5. USCGS: 18.3 S, 176.9 W; h=48 km. Fidschi-Inseln. Mag.=4.5 (CGS).

Januar (Fortsetzung)

20. eiZV PKP 17 28 01.8 Dilat., iZV 17 28 04.5 Dilat., i!ZV 17 28 06.0 Kompr., iV pPKP 17 28 40, eiV PP 17 32 06, eV LR 18 18 (T=50); h=140 km. D=16300 km. USCGS: 20.7 S, 169.9 E; h=141 km. Loyalty-Inseln. Mag.=6.1 (CGS).

21. eZ 16 02 45.5.

22. iZV P 16 09 55.1 Dilat. (T=2.0, Az=0.29), eZ 16 10 22.5, V MR 16 43 (T=22); D=8000 km. USCGS: 22.4N, 93.6 E; h=88 km. Burma. Mag.=6.1 (CGS).

22. eiZ PKP 22 38 45.5. USCGS: 15.8 S, 175.1 W; h=307 km. Fidschi-Inseln. Mag.=4.1 (CGS).

22. eZV PKP 24 19 10.0 Kompr., eZ (pPKP) 24 19 24, eiZV PP 24 21 58 Kompr., eiV PPP 24 24 58, eV 24 26 20, V MR 25 26 (T=20); h=ca. 50 km. D=15600 km. USCGS: 13.7 S, 165.9 E; h=33 km. Neue-Hebriden. Mag.= 6.0 (CGS).

24. iZ P 17 28 45.0 Dilat. (T=1.0, Az=0.16), eZ 17 28 56, iZ pP 17 30 46.0 Kompr. (T=1.5, Az=0.14), eZ 17 30 57.5, eZ sP 17 31 52; h=580 km. D=8500 km. USCGS: 38.7 N, 129.4 E; h=542 km. Vor der Ostküste von Korea. Mag.= 5.3 (CGS).

24. eZ P 21 43 30.5, eZ 21 43 44, USCGS: 44.5 N, 150.3 E; h=33 km. Kurilen. Mag.=4.7 (CGS).

25. eZ PKP 23 26 14. USCGS: 20.8 S, 178.8 W; h=580 km. Fidschi-Inseln. Mag.=4.5 (CGS).

26. iZV P 09 22 47.5 Kompr. (T=1.6, Az=0.24), eV pP 02 23 19, eV PP 02 26 27, eE SKS 02 33 02, eE S 02 33 52 eV SP 02 35 08 eV SPP 02 36 00, eV LR 02 54.5 (T=48), V MR 03 04 (T=20); h=120 km. D=10600 km. USCGS: 16.3 S, 71.7 W; h=116 km. Süd-Peru. 6 Verletzte, leichte Schäden in Arequipa. Mag. = 6.1 (CGS).

27. eZ P 01 21 54, eV LR 01 41 (T=30, V MR 01 48 (T=17); D=6100 km. USCGS: 00.0, 17.9 W; h=33 km. Mittelatlantische Schwelle. Mag.=5.3 (CGS).

28. V MR 06 58 (T=20).

28. i!ZVE P 14 17 27.5 Kompr. (T=2.0, Az=2.5), i!ZV pP 14 18 10.5 Kompr. (T=2.0, Az=2.4), i!ZVE sP 14 18 31.5 Dilat. (T=2.5, Az=5.6), iV PP 14 19 21.5, eiV pPP 14 20 00, i!ZV sPP 14 20 19.5 (T=2.5, Az=4.7), eiV (sS) 14 25 21, eiV SS 14 27 51, eiV SSS 14 28 39, V MR 14 40-42 (T=20); h=ca.200 km. D=5200 km. USCGS: 36.5 N, 70.9 E; h=207 km. Hindukusch. Mag.=6.1 (CGS).

29. eZ Pg 11 07 57.8, eE Sg 11 07 63.0; D=ca. 40 km. Sprengung?

29. eZ 22 33 46.5.

30. eZ (Pg) 15 37 13.5, eE (Sg) 15 37 19.5. Sprengung?

30. eiZV P 17 50 36.5 (Kompr., T=2.0, Az=0.29), iZ 17 50 43.2, iZ 17 50 55, eVE S 17 54 46, eV LR 17 56 36, V MR 17 19 54 (T=11'); D=2500 km. BCIS: 36.5 N, 30.5 E; Südwestküste der Türkei. Mag.=5.2 (CGS).

31. eZ Pg 15 58 21.4, eiE Sg 15 58 27.1 (T=0.6, Ae=0.17); D=50 km. Sehr schwaches Lokalbeben oder Sprengung?

FEBRUAR 1964

1. eZ (P) 01 59 59.

2. eZ P 09 07 26.5. USCGS: 24.2 N, 122.6 E; h=28 km. Ostküste von Formosa. Mag.=5.0 (CGS).

3. eZ (P od. PKP) 23 40 50.6 Dilat.

4. eZ (P) 11 14 12.5.

5. eZ (P) 07 10 09.5.

5. eZ P 11 42 40, eiV 11 42 42.5, eiZ 11 42 57.5, eV LR 12 11 (T=46), V MR 12 24.5 (T=20); D=9200 km. USCGS: 36.5 N, 141.0 E; h=46 km. Japan. Mag.=5.4 (CGS).

5. iZ PKP 11 54 16.9 Kompr., eZ 11 54 22.5, eZ 11 55 57, eiZ 11 56 13.5. USCGS: 19.7 S, 179.8 W; h=414 km. Fidschi-Inseln. Mag.=5.5 (CGS).

6. eiZ P 13 18 51.3 Kompr., iV 13 18 53 Kompr., eiZ 13 18 54.5 (T=3.0, Az=2.3), eiV 13 20 04, eV 13 21 30, iV PP 13 21 39 Kompr., eiV PPP 13 23 23, eZ 13 28 22, eiVN S 13 28 24, eZ 13 28 34, eiE 13 28 39, V MR 13 54.5 (T=20), D=8200 km. USCGS: 55.7 N, 155.8 W; h=44 km. Gebiet der Insel Kodiak. Mag.=6.7-7.0 (Pas., Pal.), 6.7 (CGS).

6. iZ P 13 25 12.0 Kompr., eiZ 13 25 20.5. USCGS: 55.8 N, 155.9 W; h=33 km. Nachbeben Insel Kodiak. Mag.=5.4 (CGS).

6. eV 19 58 19, eV 19 59 41 (T=15), eV 20 04 41, V M 20 06 06 (T=15).

7. iZV P 13 11 08.0 Kompr. (T=1.3, Az=0.09), eZ 13 11 16.8, eV LR 13 40.5 (T=38), V MR 13 49.5 (T=20); D=9000 km. USCGS: 39.8 N, 142.8 E; h=45 km. Vor der Ostküste von Hondo, Japan. Mag.=5.4 (CGS).

8. eZ (P) 10 31 52.

8. iZ P 11 29 32.0 Dilat. (T=1.5, Az=0.12), eZ 11 29 47; D=8400 km. USCGS: 52.3 N, 175.6 E; h=60 km. Ratten-Inseln, Aleuten. Mag.=5.4 (CGS).

8. eZ Pg 14 11 32.1, eiZ 14 11 34.7, iE Sg 14 11 58.5, eiE 14 12 04.5 (T=1.0, Ae=0.17); D=ca.210 km. Schwaches Nahbeben? Moxa: (Pg) 14 11 32, (Sg) 14 11 50.

9. i!ZV PKP 02 18 50.5 Dilat. (T=1.1, Az=0.57), eZ 02 19 00, eZ 02 19 12, eZ 02 20 39.5, eZ 02 20 52. USCGS: 16.5 S, 179.2 W; h=480 km. Fidschi-Inseln. Mag.=5.3 (CGS).

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10. (e)Z (Pg) 17 38 21.8, eE Sg 17 38 40.0 (T=0.8, Ae=0.08); D=ca. 147 km. H=ca. 17 : 38 : 56. Verspürt mit Stärke 4 in Offenbach am Main. BCIS: ca. 50°N, 9°E; H=17:38:51.

11. eZ PKP 02 54 13.

11. eZ PKP 18 40 42.5. USCGS: 15.9 S, 173.1 W; h=33 km. Samoa-Inseln. Mag.=5.2 (CGS).

12. eV LR 21 30.0 (T=60), eiV LR 21 35.0 (T=34), V MR 21 44.5 (T=20). USCGS: 35S, 146.6 E; h=33 km. Admiralitäts-Inseln. Mag.=5.4 (CGS).

12. eZ PKP 22 53 34, eV LR 23 49 (T=24), V MR 24 02.5 (T=18). USCGS: 15.3 S, 174.4 W; h=33 km. Samoa-Inseln, Mag.=5.0 (CGS).

13. V MR 04 38 (T=20). USCGS: 26.1 N, 100.9 E; h=33 km. China. Mag.=4.7 (CGS).

14. eZ PKP 16 48 41.5 Dilat., eZ 16 48 48, eV PP 16 50 40, eV (SP) 17 02 12, eV (SS) 17 08 20, eV (SSS) 17 12.5, eV LR 17 31 (T=44), V MR 17 46 (T=20); D=ca. 14000 km. USCGS: 5.1 S, 151.7 E; h=55 km. Neu-Britannien. Mag.=6.0 (CGS).

16. eZ (P) 00 24 38.7. USCGS: 30.1 N, 51.2 E; h=37 km. Südwest-Persien. Mag.=5.3 (CGS).

16. eZ (P) 21 13 32.

17. eZ Pn 12 20 01.9 Kompr., iZ 12 20 02.1 Dilat. (T=1.3, Az=0.18), iZ Pg 12 20 17.4 Kompr. (T=1.2, Az=0.18), eE Sn 12 20 49.6, eZ 12 20 54.7, eZ Sb 12 21 01.2, eiE (Sg) 12 21 09.4, eiZ 12 21 11.5, ei!E Sg 12 21 15.0, ZE M 12 22 22 (T=1.8, Az=2.8, Ae=3.0), F 12 26 --; D=440 km. BCIS: 46°57'N, 8°13'E; H=12:19:01. Schweiz, südlich Luzern. Leichte Schäden im Kanton Unterwalden. Verspürt auch im südlichen Baden-Württemberg mit Stärke 2-3 (n. Stuttgart). Mag.=4.6 (CGS).

17. eZ (Sg) 16 11 52.0. BCIS: Nachbeben Luzern.

18. iZ (PKP) 05 01 50.4 Dilat., eZ 05 01 59, eZ (pPKP) 05 03 08.5.

18. eZ (Sg) 06 10 16. BCIS: Nachbeben Luzern.

20. eZ P 08 47 32.0 Kompr. (T=0.9, Az=0.06), eZ 08 47 52. D=8650 km. USCGS: 46.6 N, 152.5 E; h=50 km. Kurilen. Mag.=4.8 (CGS).

20. eZ (P) 10 05 53.0, eZ 10 06 05.

21. eZ (Sg) 05 10 15.5. BCIS: Nachbeben Luzern.

22. eE 12 58 29.5, eiE (Sg) 12 58 32.5.

22. eZ P 21 29 08.3, V MR 22 10 (T=10). USCGS: 24.1 N, 123.2 E; h=48 km. Riu-Kiu-Inseln. Mag.=5.2 (CGS).

23. eZ P 22 45 00.0 (Dilat.), eiZVE 22 45 02.9 (T=1.6, Az=0.22), eZ 22 46 51.5, eZ (S) 22 47 59, eVE S 22 48 13, eiE 22 50 20, eiV LR 22 50 48 (T=16), V MR 22 52 40 (T=7); D=1850 km. BCIS: 39.1 N, 24.1 E; h=33 km. Ägäis. Verspürt in Athen.. Mag.=4.5 (CGS).

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24. (e)Z (P) 10 04 20.6, eZ P 10 04 23. USCGS: 7.3 S, 67.8 E; h=33 km. Gebiet der Tschagos-Inseln. Mag.=5.2 (CGS).

24. eZ PKP 20 18 42.5. USCGS: 19.2 S, 169.4 E; h=244 km. Neue Hebriden. Mag.=4.7 (CGS).

24. eZ P 23 34 23, eZ 23 34 30, eV LR 23 40 16 (T=18); D=1850 km. USCGS: 39.2 N, 23.8 E; h=16 km. Ägäis. Mag.=4.4 (CGS).

25. eE 13 00 21; schwache Spur.

26. eiZ PKP 21 36 57, eZ 21 37 02, eZ 21 37 30. USCGS: 20.7 S, 174.4 W; h=33 km. Tonga-Inseln. Mag.=5.0 (CGS).

27. eZ P 02 43 11.5. USCGS: 7.6 S, 39.6 E; h=33 km. Vor der Küste von Tanganjika. Mag.=4.2 (CGS).

27. eiZ P 15 22 01.5 Kompr. (T=3.0, Az=0.56), eiZ pP 15 22 28.0, eZ 15 22 45.5, eZ PP 15 24 57.5, eV LR 15 45.5 (T=66), V MR 15 52-54 (T=34); h=ca.105 km. D=8200 km. USCGS: 21.7 N, 94.4 E; h=102 km. Zentral-Burma. Mag.=6.4 (CGS).

29. eZ P 15 32 50, eZ 15 33 15.5, eV L 16 08 34, V MR 16 17.8 (T=14). USCGS: 34.8 N, 141.7 E; h=34 km. Vor der Ostküste von Hondo, Japan. Mag.=5.1 (CGS).

29. iZ PKP 20 33 24.0 Kompr. USCGS: 18.2 S, 172.8 W; h=33 km. Tonga-Inseln, Mag.=5.1 (CGS).

MÄRZ 1964

1. (e)Z (PP) 00 08 01.5, eV (SP) 00 17 14. USCGS: 8.5 S, 112.7 E; h=73 km. Vor der Südküste von Java. Mag.=5.8 (CGS).

1. eZ P 11 34 25.5, eZ 11 34 44. USCGS: 45.3 N, 150.6 E, h=33 km. Kurilen. Mag.=4.4 (CGS).

2. (e)Z PKP 19 52 13.5 Kompr., iZ 19 52 16.0 Dilat., iZV 19 52 19.0, eiZ (pPKP) 19 52 59, eV 19 53 11, eZ (PP) 19 55 43, eV LR 20 42.2 (T=64), V MR 20 57.5 (T=22); D=16600 km. USCGS: 18.9 S, 174.8 W; h=105 km. Tonga-Inseln. Mag.=5.3 (CGS).

4. eZ P 03 03 56.5, eV LR 03 10.6 (T=30), V MR 03 12.5 (T=20); D=2800 km. USCGS: 43.9 N, 29.7 W; h=33 km. Gebiet der Azoren. Mag.=4.5 (CGS).

4. (e)Z 21 36 34, eZ 21 36 34; sehr schwache Spur.

5. iZ PKP 20 51 34.0, iZ 20 51 47.8. USCGS: 16.4 S, 173.0 W; h=33 km. Gebiet der Tonga-Inseln. Mag.=4.7 (CGS).

7. (e)Z P 07 48 52.5, eiZ 07 48 57.5. USCGS: 71.7 N, 1.4 W; h=33 km. Gebiet von Jan Mayen. Mag.=4.5 (CGS).

8. (e)Z PKP 01 56 36, eZ 01 56 44, eZ 01 56 57, eV LR 03 00.5, V MR 03 20 (T=20). USCGS: 44.0 S, 168.4 E; h=33 km. Süd-Insel, Neuseeland. Mag.=5.6 (CGS).

10. eZ (PP) 14 18 16, eV LR 14 51 (T=60). USCGS: 1.9 N, 127.5 E; h=117 km. Molukken-See. Mag.=5.6 (CGS).

11. (e)Z (PP) 01 24 34, eZ 01 24 50, eV LR 01 57 (T=60), V MR 02 17 (T=20). USCGS: 1.8 N, 127.1 E; h=58 km. Molukken-See. Mag.=5.6 (CGS).

11. eZ (P od. PKP) 17 10 51; schwache Spur.

11. eZ (Pn) 19 20 08, eZ Pg 19 20 23, eZE 19 20 42, eE Sn 19 20 55, eE 19 21 05, eiZ Sg 19 21 17.3, eiE 19 21 19, ZE M 19 21.4 (T=0.9, Az=0.32, Ae=0.33); P-Einsätze sehr schwach. D=440 km. BCIS: 46.9 N, 8.3 E; H=19:19:05. Schweizer Alpen, südlich Luzern. Stark verspürt in Sarnen und Kerns.

12. (e)Z (P) 04 07 54, eV LR 04 40, V MR 04 50.5 (T=18). USCGS: 23.4 N, 121.6 E; h=33 km. Nahe der Ostküste von Formosa. Mag.=5.2 (CGS).

12. eV LR 23 19.3 (T=56), V MR 23 31.5 (T=23). USCGS: 13.5 N, 122.9 E; h=33 km. Philippinen. Mag.=5.3 (CGS).

13. (e)Z 06 03 09.3, eZ 06 03 25.5, eZ 06 03 33, eZ 06 03 41.

14. eZ Pn 02 38 24.1 Kompr., iZ 02 38 24.3 Dilat. (T=1.1, Az=0.33), eiE 02 38 27.1, iZ Pg 02 38 40.2, eE 02 39 04.5, iE Sn 02 39 12.1 (T=1.0, Ae=1.6), iZ 02 39 13.0 (T=1.0, Az=1.4), iE Sb 02 39 25.5, i!E 02 39 33, i!ZE Sg 02 39 36, Z M 02 39 40 (T=1.0, Az=6.7), E M 02 39 43 (T=1.0, Ae=9.7), V MR 02 40 07 (T=5.0), F 02 49 --; D=440 km. BCIS: 46°57'N, 8°17'E; H=02:37:22. Schweizer Alpen, südlich Luzern. Sehr stark verspürt und leichte Gebäudeschäden in Sarnen, Kerns, Sachseln und Stalden (Obwald). Verspürt auch in Frankreich (Strasbourg Stärke 3), Südwest-Deutschland (Stuttgart 5), Österreich (Tirol 4-5) und Nord-Italien. Mag.=5.3 (Collm), 4.7 (CGS).

14. iZ 12 03 40.5 Dilat. USCGS: 20.6 S, 178.5 W; h=561 km. Fidschi-Inseln. Mag.=4.7 (CGS).

14. eZ 14 12 09.

14. eV LR 15 40, V MR 15 45 (T=20).

14. eZ P 16 46 20, eV L 17 11 -- (T=16); stark gestört durch Mikroseismik. USCGS: 1.9 S, 12.9 W; h=33 km. Mittelatlantische Schwelle. Mag.=5.4 (CGS).

14. eV LR 19 17.5 (T=17). USCGS: 1.8 S, 13.2 W; Mittelatlantische Schwelle. Mag.= 4.7 (CGS).

14. eZ Sg 20 46 55.4. BCIS: Nachbeben Schweiz.

15. eZ 05 24 13, eZ Sg 05 25 06.5. BCIS: Nachbeben Schweiz.

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15. eZE P 08 08 (06.0 Kompr.); D=4850 km. USCGS: 49.7 N, 78.9 E; h=0 km. Gebiet von Semipalatinsk, UdSSR. Mag.=5.6 (CGS).

15. eZ Sg 14 55 20. BCIS: Nachbeben Schweiz.

15. iZ P 22 34 38.7 Kompr., iZ 22 34 40.0 Kompr. (T=2.5, Az=3.3), iV 22 34 40.0 (T=12), eiEE' S 22 37 55, ei!ZV 22 38 07, eiN' SS 22 38 27, eiZ 22 38 56.5, ei!V LR 22 39 28 (T=32), N' MQ 22 41 (T=18, An'=190, Ae'=190), V MR 22 42.5 (T=18), VZ MR 22 43 (T=15, Az=260); D=2050 km. BCIS: 36.0 N, 7.5 W; H=22:30:28. Atlantik, westlich der Straße von Gibraltar. Stark verspürt in Portugal, Spanien (bis Madrid) und Marokko (bis Marrakesch). Mag.=7.0 (Uppsala), 6.7-7.0 (Pas.), 6.7 (Collm), 6.6 (Ksara), 6.3-6.5 (Pal.), 6.2 (CGS).

16. eiZ P 01 15 33.3 Kompr. (T=1.4, Az=0.19), eZ 01 15 39, eV LR 01 36 (T=44), V MR 01 43.5 (T=14); D=6800 km. USCGS: 36.9 N, 95.5 E; h=33 km. China. Mag.=5.9 (CGS).

16. eZ P 03 36 32.4. USCGS: 38.0 N, 72.9 E; h=132 km. Tadshikistan, UdSSR. Mag.=5.2 (CGS).

16. iZ P 08 56 20.7 Kompr. (T=0.9, Az=0.70), eiZ 08 56 30.2, eZ 08 57 04; D=8800 km. USCGS: 44.8 N, 146.8 E; h=140 km. Kurilen. Mag.=5.7 (CGS).

16. eE (Sg) 12 58 41.8.

16. (e)Z (Pn) 13 31 30.7, eZ Pg 13 31 47, eE Sn 13 32 16.8, eE 13 32 30.3, eiE Sg 13 32 36.5, eiZ 13 32 39.0, eiZ 13 32 47.7, ZE M 13 32 49 (T=1.4, Az=0.19, Ae=0.29); D=440 km. BCIS: Nachbeben Schweiz.

16. iZ PKP 21 58 27.2 (Dilat.), eZ pPKP 22 00 52; h=ca. 600 km. USCGS: 20.6 S, 178.7 W; h=578 km. Fidschi-Inseln. Mag.=4.9 (CGS).

17. eZ Pg 15 04 55.4, eiE Sg 15 05 01.0; D=45 km. Sprengung oder Lokalbeben?

18. iZV P 04 48 12.5 Dilat. (T=2.0, Az=0.74), eiV 04 49 43, iZ pP 04 49 46, eiV sP 04 50 27, eV S 04 57 00, eiV X 05 06 26, iV (G) 05 07 35 (T=34), V (MG) 05 08.0 (T=34), eV 05 13 20. D=8050 km. USCGS: 52.5N, 153.6 E; H=04:37:26.9; h=440 km. Ochotskisches Meer. Mag.=5.6 (CGS).

18. eZ Pn 16 45 09.8 Dilat., eZ Pb 16 45 23, eZE Pg 16 45 38, eZ 16 45 57.5, eZ 16 46 16, eiE Sn 16 46 23.5, eZ 16 46 45, eE 16 47 05, eiE Sg 16 47 11, eiZ 16 47 17, ZE M 16 47 25 (T=2.0, Az=0.9, Ae=1.1); D=ca. 800 km. BCIS: Nordwest-Jugoslawien. Leichte Schäden im Ilirska Bistrica Gebiet und in Triest (Stärke 6-7). Verspürt bis Ljubljana (Stärke 3). Mag.=4.6 (CGS).

19. eZ PKP 05 04 34. USCGS: 21.9 S, 179.5 E; h=613 km. Fidschi-Inseln. Mag.=4.7 (CGS).

19. eV L 10 08.5 (T=60), V L 10 11.5 (T=32).

19. eiZ PKP 22 03 37.3 Kompr., eV L 22 59.3 (T=24), V MR 23 12 (T=18). USCGS: 15.1 S, 172.6 W; h=33 km. Samoa-Inseln. Mag.=5.6 (CGS).

20. eiE (Sg) 16 10 27.5. Sprengung oder Gebirgsschlag?

21. eZ PKP 04 00 17, eiZV PP 04 01 23, eZ pPP 04 02 56, eiV sPP 04 03 09, eiV 04 05 43, eiV SP 04 10 17, eiV SPP 04 12 41, iV 04 13 48, ei!V (G) 04 30 20 (T=32), V MR 04 50 (T=20); D=13600 km. USCGS: 6.4 S, 127.9 E; h=367 km. Banda-See. Verspürt in Darwin, Australien.

21. eZ (P) 04 11 00, eiZ 04 11 07.8; dem vorausgehenden überlagert.

21. eZ P 15 20 56.5 ((T=1.4, Az=0.05), V MR 15 59 (T=22); D=9800 km. USCGS: 19.7 N, 103.1 W; h=83 km. Mexiko. Mag.=5.0 (CGS).

21. eZ PKP 16 47 02.5 Kompr., eZ 16 47 13.5. USCGS: 27.6 S, 177.2 W; h33 km. Gebiet der Kermadec-Inseln. Mag.=5.6 (CGS).

22. eZ P 07 18 26.8. USCGS: 5.5 S, 77.1 W; h=147 km. Nord-Peru. Mag.=5.1 (CGS).

22. eV LR 09 31 (T=32), eV LR 09 35 (T=22), V MR 09 41 (T=20), V MR 09 47.5 (T=18). USCGS: 35.7 N, 72.9 W; h=33 km. Chile. Mag.=5.1 (CGS).

23. eZ P 13 48 49.7 (T=1.5, Az=0.09), eZ pP 13 49 23, eZ sP 13 49 34; h=ca. 110 km. D=5300 km. USCGS: 38.3 N, 73.7 E; h=126 km. Hindukusch. Mag.=5.4 (CGS).

24. eZ 16 59 33, eE 16 59 36, eiE (Sg) 16 59 38.5. Sprengung?

25. eZ P 02 56 01. USCGS: 36.3 N, 140.9 E; h=67 km. Nahe der Ostküste von Honde, Japan. Mag.=4.8 (CGS).

26. eiV SP 02 32 17, eV LR 02 57 (T=40), V MR 03 10 (T=22), V MR 03 16 (T=16). USCGS: 11.3 N, 142.0 E; h=33 km. Mariannen. Mag.=4.9 (CGS).

26. eE Sg 04 42 23, eZ 04 42 25; D=490 km. BCIS: 46.9 N, 9.75 E; Graubünden, Schweiz.

26. iZ P 07 47 39.0 Kompr. (T=1.0, Az=0.17), eZ 07 47 58; D=1900 km. USCGS: 39.1 N, 10.7 W; h=33 km. Nahe der Westküste von Portugal. Mag.=4.5 (CGS).

26. eV LR 14 20.5 (T=40), V MR 14 28.4 (T=20), V MR 14 32.4 (T=18). USCGS: 4.4 S, 104.7 W; h=33 km. 1500 km südwestlich der Galapagos-Inseln. Mag.=4.9 (CGS).

27. eZ PKP 20 41 01.0 Dilat., eiZ 20 41 07.5 Kompr., eZ 20 41 20.0, eZ pPKP 20 43 08.5, eiZ 20 43 23.5; h=550 km. USCGS: 23.7 S, 179.9 E; h=520 km. Südlich der Fidschi-Inseln. Mag.=5.0 (CGS).

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28. iZ P 03 47 02.8 Kompr., i!V 03 47 03.5 Kompr. (T=34), i!Z 03 47 06.5, i!E 03 47 36.5, ZE M 03 47.7 (T=2.0, Az=12.8, Ae=5.9), ei!E' S 03 56 04, ei!!N' 03 56 13, ei!!N' L 04 08 40 (T=50), ei!!N' 04 15 15 (T=20), N' M 04 16.5 (T=20, An'=ca.2000), ZN' MR 04 19.5 (T=20, Az=ca.2700) (An'=ca.2950), E' M 04 21.3 (T=16, Ae'=ca. 1000), E' M 04 23.5 (T=16, Ae'=ca.900), N' M 04 24.2 (T=18, An'=ca.2300), D=7400 km. USCGS: 61.1 N, 147.6 W; h=20 km; H=03:36:12.7.

Prince William Sound, Alaska: Hauptbeben. Mag.=8.75 (Jena), 8.7 (Kew), 8.5-8.75 (Berk.), 8.6 (Pal.), 8.5 (Uppsala), 8.5 (CGS), 8.4 (Pas.). 114 Tote und Vermisste. Umfangreiche Schäden in Alaska (für mehr als 250 Mill. Dollar). Seismische Wogen: Kodiak und Cordova 10 m hoch, Crescent City (Kalifornien) 4 m hoch. Schäden durch seismische Wogen noch auf Hawai.

28. iZ P 04 44 47.5 Kompr. (T=1.5, Az=0.15). USCGS: 60.2 N, 146.2 W; h=20 km. Nachbeben Alaska. Mag.=5.6 CGS).

28. iZ P 05 46 54.5 Dilat., iZ pP 05 47 04.0; h=ca. 35 km. D=7850 km. USCGS: 57.8 N, 153.0 W; h=33 km. Nach= beben Alaska. Mag.=5.7 (CGS).

28. eZ P 06 19 40.5. USCGS: 60.1 N, 148.6 W; h=20 km. Nachbeben Alaska. Mag.=5.6 (CGS).

28. eiZ P 06 43 32.7. USCGS: 60.1 N, 147.6 W; h=33 km. Nachbeben Alaska. Mag.=5.5 (CGS).

28. iZ P 06 55 07.2 Dilat. (T=1.6, Az=0.3), eZ pP 06 55 15; h=ca. 30 k. USCGS: 58.3 N, 151.3 W; h=25 km. Nachbeben Alaska. Mag.=6.1 (CGS).

28. eZ P 07 02 10.6. USCGS: 57.1 N, 152.3 W; h=33 km. Nachbeben Alaska. Mag.=5.0(CGS).

28. iZ P 07 04 41.3 Dilat. (T=1.5, Az=0.1), iZ pP 07 04 47.3; h=ca. 20 km. USCGS: 58.8 N, 149.5 W; h=20 km. Nachbeben Alaska. Mag.=5.7 (CGS).

28. iZ P 07 21 27.0 Dilat. (T=2.5, Az=0.55), iZ pP 07 21 34.0; h=ca. 25 km. USCGS: 58.8 N, 149.5 W; h=20 km. Nachbeben Alaska. Mag.=6.1 (CGS).

28. iZ P 07 41 46.1 Dilat. (T=1.5, Az=0.16). USCGS: 57.4N, 151.7 W; h=15 km. Nachbeben Alaska. Mag.=5.7 (CGS).

28. eZ P 08 44 57.2 (T=1.5, Az=0.1), eZ pP 08 45 04; h=ca. 25 km. USCGS: 58.1 N, 151.1 W; h=25 km. Nachbeben Alaska. Mag.=5.6 (CGS).

28. eZ P 08 51 10.0. USCGS: 57.5 N, 151.6 W; h=20 km. Nachbeben Alaska. Mag.=5.4 (CGS).

28. iZ P 09 12 22.2 Kompr. (T=1.6, Az=0.38), eiZ pP 09 12 29.3; h=25 km. USCGS: 56.5 N, 152.0 W; h=20 km. Nachbeben Alaska. Mag.=6.0 (CGS).

28. eZ P 09 17 17. USCGS: 56.6 N, 153.2 W; h=25 km. Nachbeben Alaska. Mag.=5.3 (CGS).

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28. eZ P 09 24 57.8, eZ 09 25 10.4. USCGS: 59.4 N, 151.2 W; h=35 km. Nachbeben Alaska. Mag.=5.2 (CGS).

28. eiZ P 10 03 51.2 Kompr., eiZ pP 10 03 59. USCGS: 59.7 N; 146.6 W; h=30 km. Nachbeben Alaska. Mag.=5.5 (CGS).

28. eZ P 10 44 12, eZ pP 10 44 19.5. USCGS: 57.7 N, 152.2 W; h=35 km. Nachbeben Alaska. Mag.=5.2 (CGS).

28. iZ P 10 46 54.6 Dilat. (T=1.0, Az=0.20), eiZ pP 10 47 01.3, eZ 10 47 23. USCGS: 57.2 N, 152.4 W; h=33 km. Nachbeben Alaska. Mag.=6.0 (CGS).

28. eZ P 11 10 30.5. USCGS: 57.4 N, 151.6 W; h=33 km. Nachbeben Alaska. Mag.=5.2 (CGS).

28. iZ P 11 19 23.3 Dilat. (T=1.5, Az=0.31), iZ pP 11 19 31.0. USCGS: 60.1 N, 148.4 W; h=15 km. Nachbeben Alaska. Mag.=5.7 (CGS).

28. eiZ (P) 11 48 29.3, eiZ 11 48 57.

28. iZ P 12 14 11.1 Kompr. (T=1.5, Az=0.10). USCGS: 60.3 N, 146.6 W; h=15 km. Nachbeben Alaska. Mag.=5.4 (CGS).

28. iZ P 12 32 12.0 Dilat. (T=1.5, Az=0.51). USCGS: 56.5 N, 154.0 W; h=25 km. Nachbeben Alaska. Mag.=6.1 (CGS).

28. eZ 13 12 09, eiZ 13 12 15.

28. eZ P 13 38 33. USCGS: 60.3 N, 147.1 W; h=15 km. Nachbeben Alaska. Mag.= 4.9 (CGS).

28. eZ P 14 13 19.7. USCGS: 56.5 N, 154.4 W; h=25 km. Nachbeben Alaska. Mag.=5.1 (CGS).

28. eZ P 14 58 30.0, iZ 14 58 32.0 (T=1.5, Az=0.37). USCGS: 60.4 N, 146.5 W; h=10 km. Nachbeben Alaska. Mag.=5.7 CGS).

28. eiZ P 15 00 07.5, iZ 15 00 11.2 Kompr. (T=1.5, Az=0.51). USCGS: 60.4 N, 147.1 W; h=10 km. Nachbeben Alaska. Mag.=5.8 (CGS).

28. eZ 15 27 04.

28. eZ 15 28 37.

28. eZ P 16 55 37, eZ 16 55 42. USCGS: 59.3 N, 147.8 W; h=25 km. Nachbeben Alaska. Mag.=5.3 (CGS).

28. eZ P 18 14 53. USCGS: 59.5 N, 149.3 W; h=33 km. Nachbeben Alaska. Mag.=4.6 (CGS).

28. iZ P 20 40 04.5 Kompr. (T=2.0, Az=1.2), iZ pP 20 40 16, iV PP 20 42 36, eiV LR 21 01.3 (T=60), V MR 21 13.7 (T=20). USCGS: 59.8 N, 148.7 W; h=40 km. Nachbeben Alaska. Mag.=5.8 (CGS).

28. eZ P 23 57 35, eZ 23 57 40. USCGS: 57.5 N, 151.1 W; h=33 km. Nachbeben Alaska. Mag.=5.2 (CGS).

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29. iZ P 01 20 35.5 Dilat. (T=1.5, Az=0.20), eiZ 01 20 42.5. USCGS: 59.8 N, 149.2 W; h=20 km. Nachbeben Alaska. Mag.=5.5 (CGS).

29. eZ P 01 40 48.0 Dilat., eZ pP 01 40 55.3. USCGS: 57.5 N, 151.3 W; h=20 km. Nachbeben Alaska. Mag.=5.6 (CGS).

29. eZ P 01 59 42. USCGS: 56.3 N, 153.7 W; h=20 km. Nachbeben Alaska. Mag.=4.8 (CGS).

29. eZ P 02 36 43.5. USCGS: 57.0 N, 151.7 W; h=20 km. Nachbeben Alaska. Mag.=5.2 (CGS).

29. eZ P 03 18 12.0, eZ 03 18 23.3. USCGS: 59.7 N, 148.8 W; h=30 km. Nachbeben Alaska. Mag.=5.0 (CGS).

29. eZ P 04 23 10.5 Kompr., iZ 04 23 14.5. USCGS: 60.2 N, 145.5 W; h=15 km. Nachbeben Alaska. Mag.=5.3 (CGS).

29. eZ P 05 03 16.3.

29. eZ P 05 49 07.2.

29. eiZ P 06 16 07 Kompr. (T=1.8, Az=0.19), eiZ pP 06 16 16.5, eV S 06 25 36, V MR 06 50.5 (T=19). USCGSß 56.1 N, 154.3 W; h=30 km. Nachbeben Alaska. Mag.=5.6(CGS).

29. eZ P 07 29 26.

29. eZ P 08 04 10.5, eZ 08 05 15. USCGS: 56.1 N, 154.2 W; h=25 km. Nachbeben Alaska. Mag.=4.8 (CGS).

29. eiZ P 10 19 01.5 (T=1.5, Az=0.22), eZ 10 19 34. USCGS: 60.0 N, 148.6 W; h=20 km. Nachbeben Alaska. Mag.=5.3 (CGS).

29. eZ P 11 00 50. USCGS: 58.2 N, 150.4 W; h=25 km. Nachbeben Alaska. Mag.=5.2 (CGS).

29. iZ P 11 55 01. USCGS: 60.0 N, 149.1 W; h=25 km. Nachbeben Alaska. Mag.=4.9 (CGS).

29. eZ P 16 20 10. USCGS: 60.3 N, 146.6 W; h=15 km. Nachbeben Alaska. Mag.=4.8 (CGS).

29. iZ P 16 51 57.1 Dilat. (T=1.7,Az=0.28), eiZ 16 52 02, eZ 16 52 23, eV PP 16 54 26, eV S 17 00.6, eiV LR 17 13.3 (T=54), V MR 17 21.5 (T=22). USCGS:59.8 N, 146.9 W. Nachbeben Alaska. Mag.=5.4 (CGS).

29. eZ P 16 56 30. USCGS: 59.8 N, 147.0 W. Nachbeben Alaska. Mag.=5.3 (CGS).

29. iZ P 17 04 20.3 Kompr., eZ pP 17 04 24.0. USCGS: 60.3 N, 146.1 W; h=16 km. Nachbeben Alaska. Mag.=5.2 (CGS).

29. eZ P 18 03 58.

29. eZ P 18 57 40.5, eZ 18 57 49, eV LR 19 16.5 (T=50).

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29. eiZ PKP 21 59 34.3 Dilat., eiZ 21 59 45. USCGS: 6.7 S, 155.1 W; h=68 km. Salomonen. Mag.=6.0 (CGS).

30. iZ P 02 29 27.0 Kompr., iZ pP 02 29 33.5, eiZ 02 29 41 (T=2.0, Az=2.0), eiV S 02 38 50, V MR 03 05.3 (T=18). USCGS: 56.6 N, 152.9 W; h=25 km. Nachbeben Alaska. Mag.=5.8 (CGS).

30. eZ P 03 31 44.5, eZ 03 32 13; D=2200 km. BCIS: 35.3N, 23.9 E; h=ca. 100 km. Südküste von Kreta.

30. iZ P 07 20 30.5 Dilat. (T=2.0, Az=0.32), iV 07 20 30.5 Kompr. (T=7), eZ PcP 07 20 53.5, eV PP 07 22 57, eiV S 07 29 34, eiV LR 07 42.0 (T=50), V MR 07 51 (T=19); D=7500 km. USCGS: 59.9 N, 145.7 W; h=15 km. Nachbeben Alaska. Mag.=5.6 (CGS).

30. eZ P 07 48 55.

30. eZ P 10 08 22.5.

30. eZ P 12 00 12.

30. eZ P 12 16 38. USCGS: 60.1 N, 147.0 W; h=25 km. Nachbeben Alaska. Mag.=5.0 (CGS).

30. eZ (P) 12 25 47.

30. eZ P 13 14 57. USCGS: 56.5 N, 152.7 W. Nachbeben Alaska. Mag.=5.4(CGS).

30. eZ P 13 43 42.0. USCGS: 56.4 N, 152.6 W; h=15 km. Nachbeben Alaska. Mag.=4.8 (CGS).

30. eZ P 14 22 03.0. USCGS: 57.4 N, 152.3 W; h=30 km. Nachbeben Alaska. Mag.=5.1 (CGS).

30. iZ P 15 18 54.3 Dilat., iZ pP 15 19 00.7. USCGS: 58.7 N, 149.6 W; h=25 km. Nachbeben Alaska. Mag.=5.3 (CGS).

30. iZ P 16 20 48.8 Kompr. (T=1.5, Az=0.22), eiZ pP 16 20 55.5, eZ 16 21 17, V MR 16 58 (T=16); D=8000 km. USCGS: 56.6 N, 152.1 W; h=25 km. Nachbeben Alaska. Mag.=5.5 (CGS).

30. eZ P 17 04 29.5, eZ pP 17 04 35.5. USCGS: 56.6 N, 152.2 W; h=15 km. Nachbeben Alaska. Mag.=5.0 (CGS).

30. eZ P 20 43 44.

31. eZ P 00 02 43.0, eZ pP 00 02 49.0. USCGS: 59.6 N, 147.4 W; h=33 km. Nachbeben Alaska. Mag.=4.6 (CGS).

31. iZ P 00 26 10.5 Kompr. (T=1.5, Az=0.20), eV LR 00 54 (T=40), V MR 01 01.7 (T=24); D=8800 km. USCGS: 45.3 N, 151.0 E; h=60 km. Kurilen. Mag.=5.3 (CGS).

31. eZ P 04 31 12. USCGS: 60.3 N, 146.3 W; h=5km. Nach= beben Alaska. Mag.=4.9 (CGS).

31. iZ P 09 12 58.0 Kompr. (T=1.6, Az=0.20), eiV LR 09 35.7 (T=50), V MR 09 46.3 (T=18); D=8100 km. USCGS: 50.8 N, 130.2 W. Insel Vancouver. Mag.=5.6(CGS).

31. eZ 12 04 40, eZ 12 05 10.

31. eZ P 21 15 10.7. USCGS: 58.2 N, 150.3 W; h=20 km. Nachbeben Alaska. Mag.=5.2 (CGS).

Bearbeiter:
L. Ahorner

Seismischer Bericht der Erdbebenstation

Bensberg bei Köln

1. April bis 30. Juni 1964

APRIL 1964

1. eZ P 00 12 07.5, eZ 00 12 13. USCGS: 60.4 N, 146.4 W. Nachbeben Alaska. Mag.=4.9 (CGS).

1. eZ P 03 34 41.5, eV LR 03 57.0 (T=55), V MR 04 10 (T=16). USCGS: 57.2 N, 151.3 W; h=25 km. Nachbeben Alaska. Mag.=5.1(CGS).

1. eZ P 05 44 01. USCGS: 59.9 N, 146.0 W. Nachbeben Alaska. Mag.=4.5 (CGS).

1. eZ 13 38 24.5.

2. eZ P 01 24 15.0, eiZ 01 24 21.5 (T=2.0, Az=0.29), eiZ 01 24 55.5, eV (S) 01 34 25, eiV 01 36.0, eiV LR 01 52.0 (T=48), V MR 01 56 (T=40), V MR 01 58.4 (T=30), V MR 02 01 (T=28); D=9400 km. USCGS: 5.9 N, 95.7 E; h=132 km. Sumatra. Mag.=7 (Strasbourg).

2. eZ P 10 09 16.0 Kompr., V MR 10 44-48.

2. eZ P 11 52 16.0 Dilat. (T=1.3, Az=0.09), eZ 11 52 22. USCGS: 58.8 N, 149.6 W. Nachbeben Alaska. Mag.=5.4 (CGS).

2. eV LR 16 47.0 (T=54), V MR 16 55 (T=30). USCGS:5.8N, 125.8 E; h=179 km. Mindanao. Mag.=5.7 (CGS).

2. eZ P 22 45 28, eV LR 23 14 (T=20), V MR 23 20 (T=14). USCGS: 59.8 N, 144.3 W; h=20 km. Nachbeben Alaska. Mag.=5.0 (CGS).

3. iZ P 04 25 19.5 Dilat. (T=1.5, Az=0.10), iZ pP 04 25 36.3, eV LR 05 01 (T=36), V MR 05 10 (T=28); h=ca.60km, D=9650 km. USCGS: 4.0 N, 96.6 E; h=70 Km. Westküste von Sumatra. Mag.=5.8 (CGS).

3. iZ P 08 49 41.0 Kompr. (T=1.5, Az=0.15), eZ 08 49 44.0, eZ 08 50 38. USCGS: 59.6 N, 144.7 W. Nachbeben Alaska. Mag.=5.4 (CGS).

3. eZ P 08 57 40, eZ 08 57 54. USCGS: 57.9 N, 150.5 W; h=15 km. Nachbeben Alaska. Mag.=5.5 (CGS).

3. eZ P 22 44 26.8 Kompr., iZ 22 44 27.8 Dilat. (T=1.5, Az=0.31), eiZ(pP) 22 44 37, eiZ 22 44 43.3, eV PP 22 46 47, eiV S 22 53 15, eiV SS 22 58 02 (T=36), eiV LR 23 04, V MR 23 07 (T=40), V MR 23 14 (T=20); D=7300 km. USCGS: 61.6 N, 147.6 W; h=40 km. Nach= beben Alaska. Mag.=5.7 (CGS).

4. eZ P 04 45 53. USCGS: 60.3 N, 146.5 W; h=5 km. Nachbeben Alaska. Mag.=5.0 (CGS).

4. iZ P 05 04 54.0 Kompr. (T=2.0, Az=0.44), eV PP 05 07 22, eV S 05 13 46, eV SS 05 17 46, eiV LR 05 26 20 (T=48), V MR 05 27.5 (T=48), V MR 05 37.7 (T=18); D=7400 km. USCGS: 60.1 N, 146.7 W; h=40 km. Nach= beben Alaska. Mag.=5.7 (CGS).

April 1964 (Fortsetzung)

4. eZ P 05 33 28.5.

4. eZ P 08 51 53.0, eZ 08 51 58.0, eZ 08 52 32, eV LR 09 17, V MR 09 19 (T=28), V MR 09 27 (T=18); D=7900 km. USCGS: 56.5 N, 152.6 W; h=15 km. Nach=beben Alaska. Mag.=5.3 (CGS).

4. iZ P 09 22 15.5 Kompr. (T=1.5, Az=0.29), eiZ 09 22 21.5; dem vorausgehenden überlagert. USCGS: 56.9 N, 152.7 W; h=15 km. Nachbeben Alaska. Mag.=5.9 (CGS).

4. iZ P 17 57 32.5 Kompr. (T=1.5, A=0.20), iV 17 57 32.5 Kompr. (T=17), iZ 17 57 36.3, eZ 17 59 25, eV PP 18 00 23, eV PPP 18 02 04, eiE S 18 06 55, iV SP 18 07 06 (T=24), eiV LR 18 21 (T=48), V MR 18 26.7 (T=26), V MR 18 31.7 (T=18); D=8000 km. USCGS 56.3 N, 154.4 W; h=25 km. Nachbeben Alaska. Mag.=5.7 (CGS).

4. iZ P 18 11 06.0 Kompr. (T=1.5, Az=0.18), iZ 18 11 17.5, eiE S 18 20 26; dem vorausgehenden überlagert. D=8000 km. USCGS: 56.4 N, 154.5 W; h=25 km. Nach=beben Alaska. Mag.=5.5 (CGS).

4. eZ P 18 27 16.5.

4. eiZ P 22 27 55 Dilat., eV S 22 36 52, V MR 23 02.4 (T=15). USCGS: 59.4 N, 145.2 W; h=10 km. Nachbeben Alaska. Mag.=5.1 (CGS).

5. iZV P 01 33 37.0 Kompr., iZ 01 33 45.0 (T=2.3, Az=0.38), eV PP 01 36 18, eiV S 01 43 02, eV SS 01 47 22, eV LR 01 56.4 (T=44), V MR 02 01 (T=26), V MR 02 06.5 (T=20), V MR 02 09.4 (T=18); D=8000 km. USCGS: 56.2 N, 153.5 W; h=25 km. Nachbeben Alaska. Mag.=5.4 (CGS).

5. (e)Z (P) 01 53 08, eZ P 01 53 14.5, eZ 01 53 36.

5. iZ P 19 39 13.5 Kompr. (T=1.5; Az=0.31), eZ 19 39 17.5, eV LR 20 00.4 (T=50), V MR 20 10.5 (T=16); D=7400 km. USCGS: 60.2 N, 146.7 W; h=15 km. Nach=beben Alaska. Mag.=5.8 (CGS).

6. eZ P 10 53 34.5 Kompr. USCGS: 59.9 N, 145.6 W; h=15 km. Nachbeben Alaska. Mag.= 4.8 (CGS).

6. eZ P 16 22 55.5 Kompr. USCGS: 45.2 N, 150.9 E; h=33 km. Kurilen. Mag.=4.5 (CGS).

6. eZ (P) 17 46 45.5.

6. eZ P 18 15 18.5, eZ 18 15 27.

6. eZ (P) 22 54 50.

7. eZ P 05 05 55.

7. eZ (PP) 13 36 44. USCGS: 0.1 N, 123.2 E; h=150 km. nördlich Celebes. Mag.=5.9 (CGS).

7. eZ P 18 13 48. USCGS: 57.3 N, 151.1 W. Nachbeben Alaska. Mag.=4.8 (CGS).

7. eZ P 19 40 51 (T=1.3, Az=0.09). USCGS: 55.7 N, 151.9 W. Nachbeben Alaska. Mag.=5.6 (CGS).

8. eZ P 02 16 08.5. USCGS: 46.1 N, 152.8 E; h=40 km. Kurilen. Mag.=4.9 (CGS).

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8. eZ P 08 20 12.5, eZ 08 20 59, V MR 08 47 (T=44). USCGS: 6.8 S, 68.9 E; h=33 km. Gebiet der Tschagos-Inseln. Mag.=5.7 (CGS).

8. iZ P 11 10 08.5 Kompr. (T=1.0, Az=0.08), iV 11 10 09 Kompr. (T=18), eV PP 11 13 22, eV S 11 19 54, eV SS 11 25 45, eV LR 11 35.3 (T=60), V MR 11 40.6 (T=30), V MR 11 45.3 (T=25); D=8800 km. USCGS: 45.8 N, 150.8 E; h=40 km. Kurilen. Mag.=5.5 (CGS).

8. iZ P 14 16 59.6 Kompr. (T=1.5, Az=0.16), iZ 14 17 14.5 Kompr., eV S 14 20 56 V MR 14 26.3 (T=13); D=2200 km. BCIS: 35.3 N, 24.3 E; h=100 km. Südküste von Kreta. Mag.=5.0 (CGS).

8. eZ 15 13 32, eZ 15 13 52.5, eZ 15 13 59.

8. eZ P 19 44 18.0 Kompr. USCGS: 59.6 N, 147.0 W. Nachbeben Alaska. Mag.=5.1 (CGS).

8. eZ P 20 01 11.0 Kompr., eZ 20 01 16.5. USCGS: 60.4 N, 145.9 W. Nachbeben Alaska. Mag.= 5.3 (CGS).

9. eZ P 13 17 14.0. V MR 13 52.5 (T=14). USCGS: 59.6 N, 146.1 W; h=15 km. Nachbeben Alaska. Mag.=5.1 (CGS).

10. eiZ P 01 19 10 Dilat., eZ pP 01 19 17, V MR 01 55 (T=16). USCGS: 58.4 N, 150.6 W. Nachbeben Alaska. Mag.=5.5 (CGS).

10. eZ (P) 13 53 17.

10. eZ (Pp) 15 04 25.0, eE (Sg) 15 04 30.5; D=40 km. Sprengung?

10. eZ P 19 16 51.4 Kompr. USCGS: 59.7 N, 148.2 W. Nachbeben Alaska. Mag.=5.2 (CGS).

10. eiZ P 21 55 09.1 Dilat. (T=2.0, Az=0.25), iZ 21 55 13.7, eZ 21 55 26, eV LR 22 18 (T=40), V MR 22 26.5 (T=20); D=7600 km. USCGS: 60.1 N, 153.7 W; h=10 km. Nachbeben Alaska. Mag.=5.6 (CGS).

11. (e)Z(PKP) 01 23 51, eiZ PKP 01 24 24. USCGS: 29.0 S, 178.9 W; h=302 km. Kermadec-Inseln. Mag.=5.3 (CGS).

11. eZ P 11 46 54; schwache Spur.

11. eZ 12 27 56, eiZ (P) 12 28 15.5.

11. eiZVE P 16 04 32.8 Dilat., iZE 16 04 38 (T=2.0, Az=1.2, Ae=0.9), eiZ 16 04 43.7, eiZ 16 04 50, eV PP 16 04 54, eV S 16 07 46, eE 16 07 50, iV LR 16 08.9 (T=40), eiV 16 10 14, V MR 16 11.8 (T=16); D=1850 km. BCIS: 40.0 N, 25.3 E. Nördliche Ägäis, Nähe der Insel Limnos. USCGS: 40.5 N, 25.0 E; h=33 km. Mag.=5.1 (CGS).

12. eZV P 01 35 51.5 Kompr., iZ 01 35 53.5 Dilat. (T=1.6, Az=0.44), eiZ 01 36 10.5, eV PP 01 38 32, eVE S 01 45 13, eiV SP 01 45 46, eiV SS 01 50 10, eiV SSS 01 53 50, eV LR 01 59 (T=50), V MR 02 03 (T=32), V MR 02 08.7 (T=20); D=8050 km. USCGS: 56.6 N, 152.2 W, h=22 km. Nachbeben Alaska. Mag.=5.6 (CGS).

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12. eZ P 09 46 04, eZ 09 46 07.

12. eZ PKP 11 30 43.

12. eZ P 12 11 44.0 Dilat., eZ 12 12 03.

12. eZ P 12 59 21, eZ 12 59 28, eV LR 13 23 (T=40), V MR 13 35.5 (T=16). USCGS: 56.6 N, 151,3 W; h=33 km. Nachbeben Alaska. Mag.=5.1 (CGS).

12. eZ P 17 32 55. USCGS: 60.2 N, 145.6 W; h=20 km. Nachbeben Alaska. Mag.=5.0 (CGS).

13. eZ P 06 42 16.

13. eZE Pn 08 32 15.4 Dilat., iZE 08 32 16.5 Kompr. (T=1.0, Az=0.33), iE Sn 08 33 52.5, iE 08 34 03, eiE Sg 08 35 05, ei!E 08 35 20.5 (T=3.0, Az=4.5, Ae=4.7), ei!V LR 08 35 39 (T=17), V MR 08 36.4 (T=10); D=980 km. BCIS: H=08:30:05; 45.3 N, 18.2 E. Nord-Jugoslawien. Schäden und Verletzte in Slavonski-Brod, Djakovo, Voukovar, Osijek. In Belgrad Stärke 6. Auch in Ungarn stark verspürt bis Budapest. USCGS: 45.3 N, 18.1 E; h=33 km. 2 Tote und 100 Verletzte in Nord-Jugoslawien. Mag.=5.7 (Pruhonice).

13. eZ P 12 36 34, eZ 12 37 08, eV LR 12 57.5 (T=65), V MR 13 07 (T=18).

13. eZ P 14 16 13.9 Dilat.

13. eZ P 16 25 32. USCGS: 56.6 N, 152.1 W. Nachbeben Alaska. Mag.=5.1 (CGS).

13. eZ P 21 36 48, eZ 21 36 59. USCGS: 57.5 N, 153.9 W; h=30 km. Nachbeben Alaska. Mag.=5.5 (CGS).

13. iZ P 21 54 11.0 Dilat., eZ 21 54 19. USCGS 59.4 N, 143.1 W; h=33 km. Nachbeben Alaska. Mag.=5.1 (CGS).

14. eZ P 01 16 13. USCGS: 49.4 N, 155.5 E; h=60 km. Kurilen. Mag.=5.4 (CGS).

14. eZ P 06 38 26.5 Dilat., iZ 06 38 27.5 Kompr. (T=1.5, Az=0.15), eZ 06 40 03; D=1450 km. USCGS: 39.0 N, 14.5 E; h=306 Km. Tyrrhenisches Meer. Mag.=4.3 (CGS).

14. eZ (Pg) 15 59 21.0, eZ (Sg) 15 59 27.4; D=ca.50 km. Steinbruchsprengung?

14. eZ P 16 05 56.5, eZ 16 05 09.5. USCGS: 61.3 N, 147.3 W. Nachbeben Alaska. Mag.=5.4 (CGS).

14. eZ P 17 10 18.5. USCGS 61.4 N, 150.8 W. Nachbeben Alaska. Mag.=5.1 (CGS).

14. eZ P 23 06 43 Kompr., eiZ 23 06 49, eZ 23 07 08. USCGS: 58.0 N, 152.6 W. Nachbeben Alaska. Mag.=5.4 (CGS).

15. eiZV P 15 42 07.5 Kompr., iZ 15 42 09.5 (T=1.5, Az=0.25), iZ 15 42 20.5, eZ 15 42 46, eV PP 15 44 46, eV LR 16 05 (T=48), eV LR 16 08.5 (T=32), V MR 16 11 (T=26), V MR 16 16 (T=20); D=8000 km. USCGS: 56.5 N, 154.4 W; h=35 km. Nachbeben Alska. Mag.=5.5 (CGS).

15. eZ (P) 20 58 21. BCIS: 40.1 N, 24.8 E. Nördliche Ägäis.

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15. (e)Z Pn 22 42 57, eZ 22 43 00.8, eE Sn 22 44 37, eZ Sg 22 45 35, eE 22 45 49, eE 22 45 55; D=ca.950 km. BCIS: Nord-Jugoslawien. Nachbeben zum 13.4.

16. eZ P 01 17 02.5 Kompr., eZ 01 17 19, eV IR 01 54, V MR 01 59.8 (T=15). USCGS: 37.0 N, 142.7 E; h=38 km. Ostküste von Hondo, Japan. Mag.=5.1 (CGS).

16. iZ PKP 02 55 21.5 Kompr., eZ 02 55 24.5, eZ 02 55 36, eZ 02 55 41.3, eZ (pPKP) 02 55 54.5. USCGS: 21.5 S, 170.5 E; h=110 km. Loyalty-Inseln. Mag.=4.6 (CGS).

16. eZ P 06 33 36.5, eZ 0633 49. USCGS: 45.1 N, 151.3 E; h=33 km. Kurilen. Mag.= 4.8 (CGS).

16. eZ (P) 13 55 01 Kompr., iZ P 13 55 02.0 Dilat., iZ (pP) 13 55 13.5, eZ (sP) 13 55 18; h=ca.40 km. D=8550 km. USCGS: 52.1 N, 169.4 W; h=33km. Aleuten. Mag.= 4.9 (CGS).

16. iZV P 19 38 18.0 Kompr., IZ 19 38 22 (T=2.5, Az=0.43), eV PP 19 41 16, eV S 19 47 36, eE 19 47 42, eV SS 19 52 32, eV SSS 19 56 18, eV LR 20 03.7 (T=34), V MR 20 11 (T=21), V MR 20 13.8 (T=19); D=8000 km. USCGS: 56.4 N, 152.9 W; h=30 km. Nachbeben Alaska. Mag.=5.5 (CGS).

17. eZ (P) 04 27 55; schwache Spur.

17. eZ P 04 56 17.5, eZ 04 56 27.

17. eZ P 05 00 53, iZ 05 00 54.7 Dilat. (T=2.0, Az=0.29), iZ 05 00 59.2, eZ 05 01 21, eZ 05 01 41; D=8000 km. USCGS: 56.4 N, 152.9 W; h=25 km. Nachbeben Alaska. Mag.=5.3 (CGS).

17. eZ P 09 20 21.5 Dilat., eZ 09 20 28, eZ 09 20 41. USCGS: 57.7 N, 151.4 W; h=20 km. Nachbeben Alaska. Mag.=5.4 (CGS).

17. eZ 13 48 15.

17. eZ 14 48 12.0.

18. eZ (P) 05 39 47 Dilat., iZ P 05 39 50.0 Dilat. (T=1.6, Az=0.22), eZ 05 40 02.5, eV LR 06 07.5 (T=34), V MR 06 15 (T=25); D=8800 km. USCGS: 45.5 N, 151.1 E; h=33 km. Kurilen. Mag.=5.3 (CGS).

18. eZ P 06 07 43.5. USCGS: 45.4 N, 151.5 E; h=33 km. Kurilen. Mag.=4.9 (CGS).

18. eZ P 07 58 16.4.

18. V MR 08 54 (T=16).

18. eZ 09 29 10, eZ 09 29 37.

18. eZV P 20 27 41.5, eV S 20 37 18, V MR 21 00.6 (T=22). USCGS: 56.1 N, 153.7 W; h=30 km. Alaska. Mag.=4.9 (CGS).

19. eZ (PKP) 04 15 42, eZ 04 16 04.5; schwache Spur.

19. eV (PP) 05 33 32, eV 05 36 24, V MR 06 20-26 (T=20).

20. eZ P 03 45 39.6, eZ 03 45 50.5.

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20. iZ P 12 07 27.7 Dilat. (T=2.2, Az=0.79), iV 12 07 28 Dilat., iZ pP 12 07 37.0, iZV sP 12 07 42.6, eV PP 12 09 53, iE S 12 16 17.5, eiV LR 12 28.2 (T=50), V MR 12 36.2 (T=21); h=ca. 35 km. D=7300 km. USCGS: 61.4 N, 147.3 W; h=30 km. Alaska. Mag.=5.7 (CGS).

20. eZ P 12 36 10.

20. eZ (Pg) 15 04 42.1, eE (Sg) 15 04 47.5; D=ca. 40 km. Steinbruchsprengung.

20. eZ P 16 29 16.5 Kompr., eZ 16 29 38.5, eV LR 16 56, V MR 17 02.5 (T=18). USCGS: 60.7 N, 145.3 W; h=15 km. Alaska. Mag.=4.9 (CGS).

20. eZ P 18 42 04.5.

21. (e)Z 03 30 12; undeutliche Spur.

21. eiZ P 05 12 21, eZ 05 12 31, eV LR 05 34 (T=40), V MR 05 41.5 (T=18). USCGS: 61.5 N, 147.4 E; h=40 km. Alaska. Mag.=5.4 (CGS).

21. eiE (Sg) 15 43 43; nahe.

21. eZ 18 16 01, eiZ 18 16 28.

22. eZ P 09 52 19, eZ 09 52 50, eV LR 10 01 30; D=2800 km. USCGS: 56.1 N, 34.9 W. Nord-Atlantik. Mag.=4.8 (CGS).

22. eZ PKP 19 57 29, iZ 19 57 43 Dilat. USCGS: 16.1 S, 173.4 W. Tonga-Inseln. Mag.=5.0 (CGS).

22. eZ Pg 20 01 18.2 Dilat., eZ 20 01 19.9, iE Sg 20 01 23.2 (T=0.9, Ae=0.45), eiZ 20 01 24.7 (T=0.9, Az=0.27), eiE 20 01 26.4, F 20 02---; D=44 km.
Bensberg: 7°19.5'E, 50°35'N; H=20:01:10.9. Mag.=2.9. Mittelrhein-Gebiet, 3-4 km nordöstlich Linz (wie am 25.6.1963).
Makroseismische Beobachtungen: Stärke 4: Ittenbach, Mehlem, Niederbachem, Neuenahr, Unkel. Stärke 3: Thomasberg. Stärke 2-3: Puderbach (D=20 km). Fläche des Schüttergebietes F=ca.800 km^2. Mittlerer makro= seismischer Radius R=16 km.

22. eZ (PKP) 20 19 35.5, eZ 20 19 40, eZ PP 20 23 07. USCGS: 15.5 S, 167.5 E; h=123 km. Neue Hebriden. Mag.=5.0 (CGS).

23. eZV P 03 47 48, eV 03 48 04, iZ PKP 03 51 34.8 Kompr., iZ 03 52 35.0 Dilat., eiV PP 03 52 58, eiV PPP 03 55 12, eV 04 01 48, eiV SP 04 02 18, eiV SPP 04 03 40, eV 04 04 42, eV 04 06 15, eiV 04 09 56, eV LR 04 31.2 (T=50), V MR 04 50 (T=20); D=ca.13000 km. USCGS: 5.3 S, 134.0 E; h=33 km. Gebiet der Aru-Inseln. Verspürt in Darwin, Australien. Mag.=6.4 (CGS).

23. eZ P 14 29 15.0, eZ 14 29 35, eV S 14 33 58, eV SS 14 36 07, V MR 14 41.5 (T=14); D=2950 km. USCGS 36.9N, 37.9 E; h=57 km. Türkei. Mag.=4.8 (CGS).

23. iZ P 15 07 46.7 Dilat. USCGS: 57.3 N, 151.9 E; h=25 km. Alaska. Mag.=5.5 (CGS).

24. (e)Z (P) 04 01 (49), eZ 04 02 09, V LR 04 36 (T=15). USCGS: 59.5 N, 144.5 W. Alaska. Mag.=5.2 (CGS).

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24. eZ PKP 06 14 53.2, eZ 06 15 20.5, eiZ 06 16 33, eiV PP 06 16 56, eiZ 06 17 08.5, eV 06 20 08, eiV SP 06 26 00, eiV 06 47 26 (T=40), eiV LR 06 53.5, V MR 06 56.0 (T=60), V MR 06 58.5 (T=48), V MR 07 04 (T=24), V MR 07 08 (T=22); D=ca. 13300 km. USCGS: 5.1 S, 144.2 E; h=106 km. Nordöstlich Neu-Guinea. Mag.=6.3 (CGS).

24. iZ P 14 52 39.5 Kompr., eZ 14 53 08.5, eZ pP 14 53 15, eV LR 15 20 34 (T=44), V MR 15 26.5 (T=16); h=140 km. D=9500 km. USCGS: 13.3 N, 88.8 W; h=158 km. San Salvador. Mag.=5.1 (CGS).

24. eZ (Pg) 15 57 56.8, eE (Sg) 15 58 01.4; D=40 km. Sprengung?

24. eZ 23 36 37.5 .

25. eZ 09 05 31.5.

25. iZ P 09 54 24.0 Kompr., iZ 09 54 27.5. USCGS: 59.9 N, 144.9 W. Alaska. Mag.=5.0 (CGS).

25. iZ P 12 49 04.0 Dilat., eZ 12 49 12.5, eZ 12 49 20.5, V MR 12 58.7 (T=14); D=2330 km. BCIS: 36.5 N, 28.1 E. Gebiet der Insel Rhodos. Mag.=4.5 (CGS).

25. (e)Z (P) 18 50 49.5, eiZ P 18 50 57.0, eV LR 19 23 (T=34), V MR 19 33.5 (T=18). USCGS: 24.4 N, 125.3 E. Riu-Kiu-Inseln. Mag.=5.3 (CGS).

26. eiZ PKP 15 11 01.3 Dilat., eZ pPKP 15 12 57.5 Kompr.; h=ca. 500 km. USCGS: 20.6 S, 178.3 W; h=490 km. Fidschi-Inseln. Mag.=5.1 (CGS).

26. eE 20 08 22, eZE 20 08 25.5.

27. (e)ZV PKP 07 04 27, eiV L 08 00.8 (T=50), V MR 08 20 (T=26). USCGS: 60.1 S, 151.0 E. Gebiet der Balleny-Inseln. Mag.=5.

29. eiZE P 04 24 58.6 (T=1.4, Az=0.36), eiV 04 25 02, eE 04 25 36.5, eiE S 04 28 16, eiVE 04 28 20, eV SS 04 28 49, eV L 04 29 52 (T=32), eiZ 04 30 09, eiV LR 04 31 05 (T=18), V MR 04 33.1 (T=12); D=1820 km. BCIS: 39.1 N, 23.8 E. Gebiet der Insel Skopelos, Ägäisches Meer. Mag.=5.1 (CGS).

29. eZ 15 03 23.5.

29. eZE P 17 03 57.5 Kompr. (T=1.5, Az=0.08), eiZ 17 04 21, eE (S) 17 07 00.5, eiV LR 17 10 (T=18), V MR 17 12.2 (T=12); D=1860 km. BCIS: 39.0 N, 24.3 E. Ägäisches Meer. Mag.=4.6 (CGS).

30. iZ PKP 04 00 52.5. USCGS: 15.5 S, 174.7 W; h=224 km. Tonga-Inseln. Mag.=4.2 (CGS).

30. iZ PKP 16 22 25.8, eV PP 16 24 12, eV LR 17 03 (T=56), V MR 17 09.3 (T=33), V MR 17 15.4 (T=25). USCGS: 4.6 S, 153.2 E; h=78 km. Gebiet von Neu-Irland. Mag.=5.2 (CGS).

30. iZ P 17 37 26.0, eZ 17 37 43.5, V MR 18 06-10 (T=16). USCGS: 60.1 N, 142.2 W; h=33 km. Alaska. Mag.=4.9 (CGS).

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1. iZ P 06 12 46.8 Kompr.(T=1.0, Az=0.13), iZ pP 06 12 51.8, eV LR 06 35, V MR 06 47 (T=14); h=ca. 20 km. D=7500 km. USCGS: 60.5 N, 145.6 W; h=20 km. Alaska. Mag.=5.4 (CGS).

2. eiZ P 16 23 01.3 Kompr. (T=1.4, Az=0.48), iV 16 23 02 Kompr. (T=18), eV PP 16 25 58, eV PPP 16 28 02, eV 16 29 24, eV S 16 32 48, eV SP 16 34 00, eiV SS 16 38 48, eV SSS 16 42 03, eiV 16 44 25, eV LR 16 47.2 (T=64), V MR 16 53.2 (T=32), V MR 16 59 (T=24), V MR 17 02 (T=19); D=8750 km. USCGS: 45.5 N, 150.3 E; h=35 km. Kurilen. Mag.=5.7 (CGS).

3. eZ (P) 04 43 17.5.

13. eZ P 07 44 18. USCGS: 56.5 N, 154.8 W; h=30 km. Alaska. Mag.=4.4 (CGS).

4. eZ (P) 12 15 56.

4. eZ (P) 13 43 59.

4. eZ 15 07 54.

4. eZ (P) 18 35 39.

5. iZ P 08 13 49.5 Dilat. (T=1.2, Az=0.10), eZ 08 14 14. USCGS: 45.5 N, 160.1 E; h=40 km. Kurilen. Mag.=4.9 (CGS).

6. eZ (PKP) 08 30 07. USCGS: 11.1 S, 162.2 E; h=40 km. Salomonen. Mag.=5.1.

6. iZ P 15 37 57.5 Kompr. (T=2.0, Az=0.15), iZ pP 15 38 02.5. USCGS: 56.7 N, 152.1 W; h=15 km. Alaska. Mag.=5.4 (CGS).

6. iZ (Pg) 15 46 13.9 Kompr., eiE (Sg) 15 46 19.0, eiE L 15 46 21.5; D=ca. 40 km. Sprengung?

6. eZ (P) 16 28 55.

6. eZ (P) 20 57 16; sehr schwache Spur.

7. iZ PKP 00 54 (06.5) in der Minutenlücke, eZ 00 54 14.7, eZ 00 54 46, eZ 00 55 09, eZ 00 55 24. USCGS: 18.2 S, 176.6 W; h=300 km. Fidschi-Inseln. Mag.=5.4 (CGS).

7. iZ P 05 55 33.0 Dilat. (T=2.6, Az=1.90), iV 05 55 33.5 Dilat., iZ (pP) 05 55 44.6 Kompr., i!V 05 55 48 Kompr., eiV PP 05 57 50, eiV PPP 05 59 30, eiV S 06 03 48, eiV SP 06 04 15, V MR 06 15 (T=56), V MR 06 19 (T=28), V MR 06 22 (T=24); D=6600 km. USCGS: 4.0 S, 34.9 E; h=33 km. Tanganjika. 1 Toter, 19 Verletzte; ausgedehnte Gebäudeschäden. Mag.=6.8 (Uppsala), 6.4 (CGS), 6.3 (Strasb.).

7. iZ P 08 10 20.7 Kompr. (T=2.5, Az=1.30), iV 08 10 20.7 Kompr. (T=12), iV 08 10 38, iV PP 08 13 27, eV PPP 08 15 14, eV 08 16 48, eiVE S 08 20 20, eE 08 21 48, eiV SS 08 26 17 (T=35), eV o8 29 35, eiV LR 08 35 40 (T=64), V MR 08 40 (T=37), V MR 08 44.5 (T=24); D=8800 km. USCGS: 40.4 N, 139.0 E; h=33 km. Vor der Küste von Nord-Hondo, Japan. Verspürt in Hondo und Hokkaido. Mag.=7.5 (Uppsala), 7.2-7.5 (Strasb.), 7.0 (Pas., Brk.), 6.2 (CGS).

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7. eZ (P) 08 19 13; dem vorausgehenden überlagert.

7. eZ (P) 08 38 24.

7. iZ P 11 23 03.5 Dilat., eZ 11 23 40, eZ pP 11 24 41. USCGS: 30.6 N, 137.7 E; h=469 km. Japan. Mag.=5.1 (CGS).

7. iZ P 20 24 55.2 Kompr. (T=2.0, Az=0.47), iV 20 24 55.5 Kompr. (T=10), iZ 20 25 15, eV PP 20 28 03, eVE S 20 35 00, eV SP 20 35 53, eV SS 20 40 50, eiV LR 20 50.6 (T=66), V MR 20 59 (T=24); D=8800 km. USCGS: 40.5 N, 139.0 E; h=33 km. Japan. Mag.=7.0 (Strasb.), 6.8 (Uppsala), 5.9 (CGS).

8. eiE (Sg) 15 43 58.

8. iZ P 16 33 11.0 Kompr., eiZ 16 33 19.5 (T≠2.0, Az=0.16), eV (S) 16 42 34, eV LR 16 57, V MR 17 07 (T=19); D=7900 km. USCGS:56.7 N, 154.0 W; h=25 km . Alaska. Mag.=5.3 (CGS).

8. eZ P 21 45 26.4, iZ 21 45 30.8 (T=1.4, Az=0.13), eV LR 22 09.1, V MR 22 16 (T=16); D=7300 km. USCGS: 60.8 N, 143.6 W; h=35 km. Alaska. Mag.=5.4 (CGS).

8. eZ (P) 22 04 06.5, iZ 22 04 14.0 Kompr., eZ 22 04 23, eZ 22 04 43.5.

8. eZ P 23 52 39.8, iZ 23 52 42.3 (T=1.5, Az=0.10), eV (SS) 24 07, eV SSS 24 11.3, eV LR 24 17.4 (T=46), V MR 24 32 (T=20); D=8650 km. USCGS 52.2 N, 169.5 W; h=20 km. Aleuten. Mag.=5.2 (CGS).

9. eZ P 02 14 23.5, eZ 02 14 30, V MR 02 54 (T=18). USCGS: 52.2 N, 169.6 W; h=25 km. Aleuten. Mag.=5.1 (CGS).

9. eZ (P) 18 35 43.5.

10. V L 06 30-43 Spuren.

11. eZ (P) 06 15 42.5; sehr schwache Spur. USCGS: 28.3 N, 57.4 E; h=62 km. Persien. Mag.=4.9 (CGS).

11. eZ 11 07 45.

12. eZ P 10 22 15.5.

12. eZ (P) 11 58 28.5, eZ 11 58 33.5.

12. eZ 14 57 22.

12. eZ P 17 06 42. USCGS: 59.5 N, 144.8 W; h=33 km. Alaska. Mag.=4.6 (CGS).

12. eiZV P 18 28 06.5 Kompr., eiZ pP 18 28 08.5 (T=2.4, Az=0.28), eZ 18 28 28.5, eV PP 18 30 47, eV S 18 37 30, eV SS 18 42 29, eV SSS 18 45 26, eV LR 18 51.3 (T=46), V MR 19 01 (T=21); D=8000 km. USCGS: 56.6 N, 152.4 W; h=10 km. Alaska. Mag.=5.2 (CGS).

12. eiZ PKP 18 36 55.0 Dilat., eZ 18 37 23.5; demvorausgehenden überlagert. USCGS: 19.9 S, 173.9 W; h=33 km. Tonga-Inseln. Mag.=5.5 (CGS).

13. eV PKP 05 45 30.5, eZ 05 46 08, eV (PP) 05 49 47, eV 05 50 42, eV (SKS) 05 56 02, eV LR 06 42 (T=46), V MR 07 02 (T=19). USCGS: 32.8 S, 178.3 W; h=33 km. Gebiet der Kermadec-Inseln.Mag.=5.3 (CGS).

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13. iE (Sg) 15 41 49.0; lokal.
13. eZ (P) 20 58 30.
14. eE (Sg) 15 09 58.
14. eZ 20 46 28.5, eZE 20 46 48.
15. eZ P 01 15 21.
15. eV LR 11 49 (T=64), V MR 12 00 (T=24).
16. eZ 02 46 12, eE 02 46 14.
16. eiZ P 06 09 06 (in der Minutenlücke), eZ 06 10 46.5; D=4850 km. BCIS: 49.7 N, 78.0 E; H=06:00:58. Gebiet von Semipalatinsk, UdSSR. Unterirdische Explosion. Mag.=5.6 (CGS).
16. iZ P 08 47 17.6 Dilat. (T=1.4, Az=0.10), eZ (pP) 08 47 40.0, eZ 08 48 00.6. USCGS: 36.3 N, 71.5 E; h=122 km. Hindukusch. Mag.=5.3 (CGS).
16. eZ P 10 03 22. USCGS: 54.0 N, 164.1 W; h=33 km. Aleuten. Mag.=4.7 (CGS).
16. eZ 11 30 29.
16. eZV PKP 16 27 53, eZ 16 28 29, eZ 16 28 42, eV PP 16 32 10, eV (SPP) 16 45 42, V MR 17 42-50 (T=18-20); D=18000 km. Kermadec-Inseln. Mag.=5.4 (CGS).
17. iZ P 01 01 11.0, iV 01 01 11 Kompr., eZ 01 01 15.5, eV LR 01 22 (T=60), V MR 01 31 (T=22). USCGS: 59.4 N, 142.7 W; h=35 km. Alaska. Mag.=5.1 (CGS).
17. iZ P 04 53 26.5 Dilat. (T=1.5, Az=0.09), iZ pP 04 53 36.3, eZ 04 54 00.5; h=ca. 35 km. USCGS: 53.9 N, 159.7 W; h=33 km. Alaska. Mag.=5.5 (CGS).
17. eV P 19 33 08.5 Dilat., eZ 19 33 10.8 Dilat., iZ 19 33 11.5 Kompr. (T=1.6, Az=0.22), eiZ 19 33 30, eiV PP 19 34 19, eE S 19 38 43, eiV 19 38 48 (T=27), eiV SS 19 41 08, ei!V LR 19 42 28, V MR 19 43.3 (T=34); D=3800 km. USCGS: 35.2 N, 35.9 W; h=33 km. Nord-Atlantik. Mag.=6.5 (Pas.), 6.3 (Uppsala, Strasb.), 6-6.2 (Pal.), 5.6 (CGS.).
18. eZ PKP 14 31 53.5, iZ 14 31 59.5 Kompr., eiZ 14 32 12. USCGS: 21.2 S, 174.5 W; h=33 km. Tonga-Inseln. Mag.=5.6 (CGS).
19. (e)Z (P) 06 15 04.5, eZ 06 15 15, eZ 06 15 28, eV LR 06 23, V MR 06 26 (T=20). USCGS: 77.7 N, 18.3 E; h=33 km. Gebiet von Spitzbergen. Mag.=4.6 (CGS).
19. iZ P 10 51 25.5 Kompr. (T=1.0, Az=0.09), eV LR 11 20 (T=44), V MR 11 27 (T=24); D=8700 km. USCGS: 45.6N, 150.3 E; h=33 km. Kurilen. Mag.=5.4 (CGS).
19. iZ P 14 53 33.6.
19. iZ P 15 48 54.3 Kompr. (T=1.5, Az=0.08), eZ pP 15 49 00.5, eZ PcP 15 49 15, V MR 16 21 (T=20); D=7900 km. USCGS: 57.0 N, 152.8 W; h=25 km. Alaska. Mag.=4.9 (CGS).

Mai 1964 (Fortsetzung)

19. eZ P 23 16 31 Kompr., iV 23 16 32 Kompr., iZ 23 16 33.0 Dilat. (T=2.0, Az=0.26), eV 23 19 34, eV PP 23 20 10, eV S 23 27 40, eiV SP 23 28 22, eiV LR 23 45.7 (T=54), V MR 23 50 (T=26); D=9900 km. USCGS: 0.7 S, 80.2 W; h=54 km. Ekuador. Mag.=5.4 (CGS).

20. eZ (P) 06 20 11, eZ 06 21 02; sehr schwache Spur.

20. eZE 07 02 42.5, eZE 07 02 47, eZE 07 03 05.

20. eZ (Pg) 15 59 35.8, eE (Sg) 15 59 41, eZE L 15 59 47; D=ca. 40 km. Steinbruchsprengung ?

20. eZ 17 02 14, eZE 17 02 32.

21. iE (Sg) 10 59 28.6; Sprengung?

21. eZ P 15 47 17, eZ 17 47 43, eV LR 16 10.5, V MR 16 21 (T=18). USCGS: 59.0 N, 153.5 W; h=15 km. Alaska. Mag.=5.3 (CGS).

21. iZ P 22 44 27.4 Kompr., eZ 22 44 56.

21. iZ P 23 22 53.3 Dilat. (T=1.5, Az=0.07), V MR 24 02 (T=19); D=8900 km. USCGS: 44.5 N, 149.6 E; h=45 km. Kurilen. Mag.=4.6 (CGS).

22. iZ (P) 11 03 37.0 Kompr.

22. eZ (Pg) 14 37 04.0, eiE (Sg) 14 37 11; Sprengung?

22. eZ (Pg) 16 19 37.3; Sprengung?

23. eZ P 00 26 27, eZ 00 26 47. USCGS: 14.6 N, 56.3 E; h=33 km. Arabisches Meer.

23. eZ Pg 10 04 17.2, eZ 10 04 19.4, eE 10 04 23.5, eE (Sn) 10 04 42.7, eiE Sg 10 04 49.5, eiZ 10 04 50.6, ZE M 10 04 51.5 (T=1.0, Az=0.12, Ae=0.17), F 10 05.9--; D=ca. 270 km. Nahbeben?

23. eZ P 11 34 49, eZ 11 38 29.

24. eZ PKP 04 32 51.5, iZ 04 32 58.5 Dilat., V MR 06 46 (T=18). USCGS: 22.6 S, 174.1 W h=33 km. Gebiet der Tonga-Inseln. Mag.=5.7 (CGS).

24. o6^{h}25 bis 26.5. 17^{h}: Hiller-Z Komponente ausgefallen.

24. eV P 10 44 02, eV 10 44 11, eV 10 44 22, eV PP 10 47 21, eV LR 11 18.5, V MR 11 23 (T=20), V MR 11 30.5 (T=18)! USCGS: 34.3 N, 141.o E; h=33 km. Japan. Mag.=5.2 (CGS).

25. eE (P) 19 57 25, eiV LR 20 28 (T=60), V MR 20 35 (T=32). USCGS: 9.1 S, 88.9 E; h=33 km. Indischer Ozean. Mag.=5.5 (CGS).

26. iV P 11 13 40.5 Kompr. (T=15), iV 11 14 08 Dilat., iV PP 11 18 13, eiE SKKS 11 25 06, i!V SP 11 27 40, eiE 11 27 57, ei!!V G 11 44 08,(T=70), ei!V LR 11 51.4, i!!V LR 11 52.0 (T=50); D=12500 km. USCGS: 56.2 S, 27.8 W; h=120 km. Süd-Sandwich-Inseln. Mag.=7.8-8.0 (Strasb.), 7.8 (Uppsala), 7.5-7.8 (Pas., Brk.).

27. eV (P) 01 11 04, eZ (PKP) 01 15 11, eZ 01 15 27, eV PP 01 16 14, eiV SP 01 25 02, eV 01 31 15, eiV LR 01 49 10, V MR 01 50.2 (T=48); D=12500 km. USCGS: 56.1 S, 27.6 W; h=105 km. Nachbeben Sandwich-Inseln. Mag.=5.6 (CGS).

Mai 1964 (Fortsetzung)

27. eV LR 07 23.2, V MR 07 24.5 (T=46). USCGS: 56.2 S, 27.4 W; h=116 km. Nachbeben Sandwich-Inseln. Mag.=5.8 (CGS).

27. iZ PKP 11 40 10.5 Dilat., eZ 11 40 21, eZ 11 40 44. USCGS: 18.4 S, 173.2 W; h=33 km. Tonga-Inseln. Mag.=4.6 (CGS).

27. eZ (Pg) 15 06 11.7, eE (Sg) 15 06 17.1; D=ca. 40 km. Steinbruchsprengung.

27. eiZ P 15 31 41.5.

27. iE Sg 16 03 14.3. Gebirgsschlag?

28. eZ (P) 02 09 37, eV IR 02 42.5, V MR 02 52 (T=18). USCGS: 24.5 N, 122.0 E; h=11 km. Formosa. Mag.=5.6 (CGS).

28. eZV (P) 12 43 06, eV LR 13 00 (T=48), V MR 13 07 (T=20).

28. eZ P 16 29 13.5, eZ 16 29 20.5, USCGS: 58.3 N, 150.6 W; h=25 km. Alaska. Mag.=5.2 (CGS).

28. eZ Pn 20 53 10.5, eZ Pb 20 53 20.5, eZ Pg 20 53 31, eZ 20 53 47.5. eiZ 20 54 20.5, eiZE Sg 20 54 25.5, E M 20 54 34 (T=1.1, Ae=0.12); D=480 km. BCIS: 46° 48'N, 9°03'E; H=20:52:06. Graubünden, Schweiz.

29. eZ P 05 20 07 (in der Minutenlücke), eZ 05 20 18. USCGS: 44.7 N, 149.4 E; h=50 km. Kurilen. Mag.= 4.7 (CGS).

29. eiZV P 10 28 31 Kompr. (T=2.5, Az=0.26), eV LR 10 49.5 (T=52), V MR 11 01 (T=18); D=7450 km. USCGS: 60.2 N, 146.3 W; h=5 km. Alaska. Mag.=5.6 (CGS).

29. eZ P 10 56 57.5, eZ 10 58 09.5.

30. eZ P 03 29 11.8, eZ 03 29 20.3

30. eZ 10 10 34.5, eZ 11 11 23.

30. iV P 14 43 13.2 Kompr., eZ 14 43 13.2, iZ 14 43 14.0 Dilat. (T=1.6, Az=0.19), eZ pP 14 43 24.5, eiZ 14 43 27.0, eV PP 14 46 27, eV PPP 14 48 06, eV (S) 14 53 18, eiV SP 14 54 40, eiV LR 15 12 (T=50), V MR 15 15 (T=35), V MR 15 27.7 (T=18), h=ca. 40 km. D=9300 km. USCGS: 36.2 N, 141.1 E; h=49 km. Japan. Mag.=6.4 (Strasb.), 5.4 (CGS).

30. eZ P 17 32 42.

30. eZ (P) 20 33 44.

30. eZ P 22 45 55, eZ 22 46 02. USCGS: 56.6 N, 152.3 W; h=15 km. Alaska. Mag.=4.7 (CGS).

31. i!V P 00 52 40.5 Kompr. (T=16), iZ 00 52 40.8 Kompr., i!Z 00 52 42.5 (T=1.5, Az=2.45), iV (pP) 00 52 58.5, eiZ 00 54 49.3, eiV PP 00 55 43 Kompr., eiV PP 00 57 58, iE S 01 02 38.3 (T=3.0, Ae=3.2), eiZ SKS 01 02 48, eiE 01 02 59.5, eiV SP 01 03 11, i!V (SS) 01 08 42 (T=42), ei!V LR 01 18.3 (T=56), V MR 01 19.1 (T=56), V MR 01 22 (T=35), ei!V LR 01 25.4 (T=30), V MR 01 27-30 (T=25), V MR 01 33 (T=19); D=8800 km. USCGS: 43.5 N, 146.8 E; h=48 km. Kurilen. Mag.=6.8-7.1 (Strasb.), 6.8 (Uppsala), 6.5-6.8 (Pal.), 6.3 (CGS).

Mai 1964 (Fortsetzung)

31. eZ P 10 36 11.5. USCGS: 53.7 N, 158.7 E; h=110 km. Kamtschatka.

31. eV (PKP) 17 34 51, eV LR 18 22.7 (T=44), V MR 18 31 (T=26). USCGS: 13.6 S, 172.1 E; h=73 km. Gebiet der Neuen Hebriden. Mag.=4,8-5,0 (CGS).

JUNI 1964

1. eZ PKP 06 24 17.3. USCGS: 14.6 S, 167.4 E; h=176 km. Neue Hebriden. Mag.=5.2 (CGS).

1. eZ (P) 13 37 13.6.

1. eZ (P) 18 43 19, eZ 18 43 42.5.

2. 6^h35 bis 4.6. 11^h20: Sprengnether - und Hiller-Seismographen wegen Bauarbeiten außer Betrieb.

4. eV LR 12 20 (T=44), V MR 12 30 (T=25).

4. eZ (P) 16 02 15.3, eZ 16 02 24.

4. (e)Z 22 28 30.5, eZ (Pg) 22 28 52.5, eN 22 28 59, eN 22 29 14.6, eiZN Sg 22 29 16.0 (T=0.8, An=0.25); D=ca. 200 km? Schwaches Nahbeben.

5. V Spuren L 00 30-34. USCGS: 39.3 N, 43.1 E; h=33 km. Türkei. Mag.=4.6 (CGS).

5. eZ P 04 49 47 Kompr., eV LR 04 56. USCGS: 47.8 N, 27.3 W; h=33 km. Nord-Atlantik. Mag.=4.7 (CGS).

5. eZ (PKP) 09 32 56.5.

5. eZ P 10 01 28 Kompr., eZ 10 01 32.5, eV LR 10 31, V MR 10 35.5 (T=14). USCGS: 60.4 N, 146.0 W; h=15 km. Alaska. Mag.=5.2 (CGS).

5. eZ 10 57 16.3.

5. eZ P 22 18 06 (in der Minutenlücke), eZ 22 18 10.5, eZ 22 18 24, eV LR 22 47, V MR 22 50 (T=19). USCGS: 58.1 N, 152.1 W; h=15 km. Alaska. Mag.=5.0 (CGS).

6. eZ (PKP) 19 27 00, eV 19 46 57, eiV LR 20 09 22 (T=38), V MR 20 14 (T=22).

7. eiZ P 20 42 58.5 (T=1.0, Az=0.06), eV LR 21 03.5 (T=26), V MR 21 08.5 (T=23); D=8800 km. USCGS: 45.3N, 150.9 E; h=33 km. Kurilen. Mag.=5.0 (CGS).

9. (e)Z 02 37 19, eV LR 02 41 16 (T=32), eiE Lg 02 41 44.5, iV LR 02 43 20, V MR 02 43.5 (T=10). BCIS: 37.6 N, 2.4 W. Provinz Granada, Spanien. Stark verspürt und Gebäudeschäden in Huescar. Mag.=4.4 (Pruhonice).

Juni 1964 (Fortsetzung)

10. eZV P 22 30 36, eZ 22 30 58, eZ 22 33 15, eZ 22 34 22, eZ 22 34 56.5, eiV SP 22 43 54, eiV 22 44 44.5, eiV LR 23 07 (T=60), V MR 23 10 (T=48), V MR 23 13 (T=35), V MR 23 21.5 (T=24); D=11600 km. USCGS: 5.0N, 127.4 E; h=146 km. Talaud-Inseln. Mag.=5.5 (CGS).

11. eZ P 03 22 30.5, eZ 03 22 47. USCGS: 65.5 N, 168.1 W; h= 33 km. Behring-Straße. Mag.= 4.9 (CGS).

11. eV SP 17 31 36, eiV LR 17 58.6 (T=56), V MR 18 07.5 (T=33), V MR 18 13.5 (T=20). USCGS: 2.0 S, 140.8 E; h=18 km. Neu-Guinea.

11. eZ (P) 22 30 36.5.

12. iZ (P) 13 01 11.9 Dilat.

12. (e)Z (PKP) 18 31 01.8, iZ PKP 18 31 11.3 Kompr., eiZ 18 31 28.5. USCGS: 26.5 S, 178.3 E; h=648 km. Fidschi-Inseln. Mag.=5.3 (CGS).

13. eZ (P) 04 32 45.

13. eZ P 08 40 39.5, eZ 08 40 41.5, eZ 08 40 59.5.

13. eZ (P) 17 47 24, eZ 17 47 55. USCGS: 23.0 N, 94.0 E; h=61 km. Burma. Mag.=5.8 (CGS).

14. eZ P 01 08 49.

16. iZE P 12 21 03.0 Dilat. (T=2.9, Az=1.44, Ae=0.94), iV 12 21 03 Kompr. (T=10), eV PP 12 21 55, eZ 12 23 57, eiV S 12 25 43.5 (T=21), eiE 12 25 45, eiE SS 12 26 47, eiV LR 12 27 58 (T=45), eiV LR 12 32.6, V MR 12 33.2 (T=11); D=2860 km. BCIS: 38.0 N, 38.6 E;h=33 km. Östliche Türkei; schwere Schäden im Gebiet von Malatya und Adiyaman. Ein Toter, 500 Ver= letzte. Bodenspalten bis 1 km Länge. Mag.=6.5 (Ksara), 6.0 (Strasb.).

14. eZ P 12 43 34.2 Kompr. USCGS: 38.1 N, 38.3 E; h=31 km. Nachbeben Türkei. Mag.=5.2 (Ksara), 4.7 (CGS).

15. eZ P 01 18 09, eZ 01 18 12. USCGS: 5.4 N, 97.0 E; h=33 km. Sumatra. Mag.=5.5 (CGS).

16. eiZ P 04 13 57.8 Kompr., iZ 04 14 02.5 Kompr.,i!Z 04 14 16.5 (T=2.4, Az=3.55), eiE S 04 24 14, eiE PS 04 24 52, eE' L 04 41 (T=40), eN' L 04 42.7 (T=35), N'MQ 04 48.5 (T=15, An'=190), N'E' MQ 04 51.1 (T=14, An'=310, Ae'=130), N' MQ 04 54.3 (T=13), Z MR 04 57.5 (T=13, Az=100); D=9000 km. Sprengnether -V ausgefallen. USCGS: 38.3 N, 139.1 E; h=57 km. Nahe der Westküste von Hondo, Japan. 25 Tote und schwere Schäden in Niigata. Seismische Wogen bis 2 m Höhe. Mag.=7.25-7.5 (Pas., Strasb.), 7.25 (Pal.), 7.2 (Kew), 6.1 (CGS).

16. eZ (P) 06 29 24.5, 06 29 39.5.

16. eiZ P 07 05 22 Kompr. (T=1.6, Az=0.15), eiZ 07 06 26; D=9000 km. USCGS: 38.7 N, 139.0 E; h=15 km. Hondo-Japan. Mag.=5.6 (CGS).

Juni 1964 (Fortsetzung)

16. eiZ P 07 27 16.0 Kompr. (T=1.2, Az=0.10), eZ 07 27 52, eZ 07 28 32; D=9100 km. USCGS: 38.5 N, 139.2 E; h=16 km. Hondo, Japan. Mag.=5.9 (CGS).

16. eZ Pg 19 04 58.9, eE 19 05 16, eE 19 05 23.5, eiZ Sg 19 05 24.0, eiE 19 05 24.5, ZE M 19 05 26 (T=0.8, Az=0.16, Ae=0.20); D=ca. 200 km. H=19:04:24. Heidelberg: e(Pg) 19 05 02.5, e!(Sg) 19 05 30.9. Epizentrum nach den Einsätzen von Bensberg und Heidel= berg etwa 51.2 N, 10.0 E (Werra-Gebiet, südöstlich Kassel).

17. eZ P 15 22 59.5. USCGS: 38.7 N, 139.0 E; h=27 km. Hondo, Japan. Mag.=5.0 (CGS).

18. iZ (Pg) 11 04 17.0, iE (Sg) 11 04 22.9; D=ca. 40 km. Sprengung?

18. eZ (Pg) 14 39 12.3, eiE (Sg) 14 39 17.4, eiZ 14 39 18.0; D=ca. 40 km. Sprengung.

18. eZV P 18 13 44, V MR 18 53 (T=16). USCGS: 47,5 N, 154.9 E; h=33 km. Kurilen. Mag.=5.3 (CGS).

18. eZ (P) 20 54 23, eV (S) 21 03 22, eV LR 21 28.5, V MR 21 37 (T=23), V MR 21 42.5 (T=18).

19. iZ P 00 55 01.5 Kompr. (T=1.1, A=0.08), eV 00 58.9, eV LR 01 03 30, V MR 01 05.2 (T=10); D=2280 km. BCIS: 40.8 N, 32.8 E; Nord-Anatolien, Türkei. Mag.=4.6 (CGS).

19. eZ P 02 41 08.

19. eZ P 10 17 51 Kompr., eZ 10 18 14.5. USCGS: 38.8 N, 139.3 E; h=30 km. Hondo, Japan. Mag.=5.6 (CGS).

19. eZ P 10 50 37.5, eV 10 58 45, eV 11 01 04, eV LR 11 28.

19. eZ 15 36 13.6.

19. eZ (Pg) 15 46 15.4, eE (Sg) 15 46 21.0, eiZ L 15 46 26; D=ca. 40 km. Sprengung.

21. eZ P 01 44 51, eV LR 02 10 (T=50), V MR 02 21 (T=24). USCGS: 51.0 N, 157.0 E; h=51 km. Kamtschatka. Mag.=5.7 (CGS).

22. eiZV PKP 00 36 00.7 Kompr., eZ 00 36 10, eZ 00 36 22, eV PP 00 40 10, eV LR 01 37, V MR 01 40 (T=20), V MR 01 48.5 (T=18); D=16400 km. USCGS: 15.7 S, 172.8 W; h=33 km. Samoa-Inseln. Mag.=5.1 (CGS).

22. eV PP 03 25 25, eV 03 26 12, eV LR 04 07.0 (T=56), V MR 04 14.5 (T=28). USCGS: 10.4 S, 161.1 E; h=70 km. Salomonen. Mag.=5.4 (CGS).

23. i!Z P 01 38 37.0 Kompr. (T=1.1, Az=1.97), i!V 01 38 37.0 Dilat. (T=17), i!Z 01 38 44.4 Dilat. (T=1.1, Az=2.45), eiV 01 39 56, eiV PP 01 41 40, eiV PPP 01 43 26, ei!E S 01 48 31 (T=2.4, Ae=1.81), eiZ 01 48 51.5, ei!Z SP 01 49 12.5, ei!V SS 01 54 32 (T=40), iV 01 59 46, ei!!V LR 02 04 10 (T=62), V MR 02 05.5 (T=56), V MR 02 07.5 (T=42), V MR 02 14 (T=24), V MR 02 16.5 (T=23); D=8800 km. USCGS: 43.3N, 146.1 E; h=77 km. Kurilen. Mag.=7.0 (Pas., Kew), 6.75-7.0 (Berk.), 6.75 (Fal.), 6.2 (CGS).

Juni 1964 (Fortsetzung)

23. eZ P 02 30 52.0.

23. eZ P 05 37 14.8.

23. eE 06 44 36. BCIS: 43.5 N, 14.5 E, Adriatisches Meer.

23. eZ 09 38 45.0.

24. eZ (Pg) 11 03 51.5, eE (Sg) 11 03 57.0, eZ L 11 04 01; D=40 km. Sprengung.

24. eV LR 13 44.6, V MR 13 49 (T=14). USCGS: 32.2 N, 129.4E; h=48 km. Ostküste von Kiuschiu-Japan. Mag.=4.4 (USCGS).

25. eE (Sg) 16 18 12.0, iE 16 18 13.2. Sprengung?

26. eZ (P) 10 01 18.5.

26. eE 22 10 34.0, eE 22 10 49, eZ 22 10 53.

27. eZ P 02 37 37.3 Kompr., eZ 02 37 45, eZ PP 02 39 31, eV 02 53 10, eV LR 02 54.2, V MR 02 57.7 (T=25), V MR 02 59.3 (T=19); D=5400 km. USCGS: 40.4 N, 77.2 E; h=33 km. Sinkiang-Provinz, China.

27. eZ (P) 16 54 24, eZ 16 56 46, eV LR 17 14.6 (T=58), V MR 17 18 (T=28), V MR 17 23 (T=18); D=ca.7200 km. USCGS: 11.5 S, 13.8 W; h=33 km. Gebiet der Insel Ascension. Mag.=4.7 (CGS).

28. eZ PKP 13 10 32, eZ 13 10 36, eZV 13 11 37, eV PP 13 12 05, eV PPP 13 14 40, eV 13 29 08, eV 13 42 32 (T=28), eiV LR 13 50.6 (T=52), V MR 14 06 (T=19); D=13500 km. USCGS: 1.5 S, 149.6 E; h=7 km. Neu-Irland. Mag.=5.75-6.0 (Brk.), 6.4 (CGS).

28. iZ PKP 15 11 11.0 Dilat.; USCGS: 13.2 S, 167.1 E; h=216 km. Neue Hebriden. Mag.=5.4 (CGS).

28. eZ P 15 14 27.5.

28. eZ P 15 27 20.5, eZ 15 27 35; D=2250 km. BCIS: etwa 37.3 N, 14 W. Atlantik, westlich Portugal.

28. eZ P 17 16 57; D=6250 km. USCGS: 3.5 N, 32.4 W; h=33 km. Nord-Atlantik. Mag.=4.6 (CGS).

28. eiZ P 17 37 47.0 Kompr., iZ 17 37 58.3 (T=2.5, Az=0.33), eZ PcP 17 38 34.5, eZ PP 17 39 48.5, eZ PPP 17 40 54, V MR 17 55.5 (T=38); D=6400 km. USCGS: 4.0 N, 32.4 W; h=33 km. Nord-Atlantik. Mag.=5.3 (CGS).

28. iZ P 18 34 30.5 Dilat., eZ 18 34 42.5.

28. eZ P 19 20 13.5, eZ 19 20 20.5. USCGS: 58.3 N, 150.2 W; h=23 km. Alaska. Mag.=5.5 (CGS).

29. iZ P 07 32 14.0 Kompr. (T=1.4, Az=0.10), eZ 07 32 42, eV LR 07 59, V MR 08 03 (T=18); D=7200 km. USCGS: 62.7 N, 152.0 W; h=33 km. Süd-Alaska. Mag.=5.6 (CGS).

Juni 1964 (Fortsetzung)

30. iZE Pn 12 31 38.6 Dilat. (T=0.9, Az=0.09), iZE 12 31 46.5, iZ Pb 12 32 01.0 Kompr., eiE Sn 12 32 50.5, eiZE 12 33 03.3, eZ 12 33 22.2, eiZ Sg 12 33 36.0, eiE 12 33 40.6, ZE M 12 33 47 (T=1.2, Az=1.2, Ae=1.7), V MR 12 34 10 (T=7.0), V F 12 37 --; D=720 km. Wien: 47.6 N, 15.8 E. Semmering-Gebiet, Niederösterreich. I_o=5° MCS. BCIS: 47.7 N, 16.0 E; H=12:30:02. Grenzgebiet Österreich-Ungarn. Mag.=4.7 (Pruhonice).

30. eV P 14 00 35 Kompr., eV (PKP) 14 03 55, eZ 14 04 46.5, iZV PP 14 05 03.0 Dilat. (T=2.5, Az=0.30), eiZ 14 05 22, iZ 14 07 28.2, eiV SPP 14 15 15, eV LR 14 38 (T=60), V MR 14 46 (T=30), V MR 14 58 (T=20); D=11800 km. USCGS: 0.8 S, 122.5 E; h=36 km. Celebes. Mag.=6.3 (CGS).

30. eZ P 15 59 46.6, eZ 15 59 59.

30. iZ P 16 00 42.5 Kompr. (T=1.5, Az=0.20), iZ 16 00 55.3, V MR 16 40 (T=18); D=8700 km. USCGS: 45.9 N, 150.4 E; h=33 km. Kurilen. Mag.=6.0 (CGS).

30. iE Sg 16 30 34.6; örtliche Sprengung?

30. iZ P 20 19 36.6 Kompr. (T=1.5, Az=0.31), iZ 20 19 39.5 (T=1.4, Az=0.50), eiZ pP 20 21 01, eZ sP 20 21 23.5, iE S 20 28 53.0, V MR 20 40.5 (T=20); h=ca. 370 km. D=8400 km. USCGS: 46.6 N, 144.6 E; h=383 km. Ochotskisches Meer. Mag.=5.5 (CGS).

Bearbeiter: L. Ahorner

Seismischer Bericht der Erdbebenstation

Bensberg bei Köln

1. Juli bis 30. September 1964

JULI 1964

1. iZ P 02 59 25.2 Kompr. (T=1.5, Az=0.10), eZ 02 59 34.7, eZ 02 59 50.5, eV LR 03 24.5 (T=56), V MR 03 33 (T=26), V MR 03 35 (T=22); D=8600 km. USCGS:46.3N, 146.9E; h=33 km. Kurilen. Mag.=5.4 (CGS).

1. eiZ P 09 58 46.8, eZ 09 59 01. USCGS: 45.2N, 150.3E; h=75 km. Kurilen. Mag.=4.8(CGS).

1. eZ Pg 16 44 43.4 Dilat., eE (Sg) 16 44 59.5, E ML 16 45 11.5; D=ca.130 km. Sprengung?

1. eZ P 22 58 54, eZ 22 29 20.5, eZ 22 59 32. USCGS: 31.1 N, 139.6 E; h=147 km. Japan.Mag.=5.1 (CGS).

1. eZ P 23 02 23, eZ 23 02 33, eZ 23 02 55. USCGS: 14.3 N, 73.1 W; h=139 km. Peru. Mag.=5.2 (CGS).

2. eiZ P 01 29 58, iZ 01 30 03.3 (T=1.0, Az=0.07), eZ 01 30 15.5; D=7500 km. USCGS: 60.1 N, 146.0 W; h=14 km. Alaska.

2. iZ P 04 06 38.7.

2. eV 17 33 38, eV LR 17 39.4 (T=44), V MR 17 50.0 (T=16), V MR 18 03.8 (T=16). USCGS: 47.7 N, 128.8 W; h=14 km. Küstengebiet von Washington, U.S.A. Mag.=5.0 (CGS).

3. eZ (P) 16 15 22.8.

4. eZ PP 11 08 14.5 Kompr., eZ 11 08 28, eV LR 11 54, V MR 11 59.5 (T=18). USCGS: 11.7 N, 144.5 E; h=33 km. Marianen.Mag.=6.0 (CGS).

5. eZ P 03 25 22.5. USCGS: 60.1 N, 144.9 W; h=30 km. Alaska. Mag.=4.9 (CGS).

4. eZ P 11 14 48.2, eZ 11 15 01, eV S 11 17 29, eV 11 18 20, eZ 11 19 21, eV 11 19 31, eiZ 11 19 51, ei!V LR 11 20 49, V MR 11 21.0 (T=13); D=1600 km. USCGS: 42.2 N, 23.6 E; h=10 km. Südwest-Bulgarien. Mag.=4.7 (CGS).

5. eZ 04 57 49, eZ 04 57 54, V MR 05 06.

5. eZ P 19 20 38 (T=1.0, Az=0.05), eZV 19 20 47.5, eV PP 19 24 03, eV SKS 19 31.1, eV SP 19 32 03, eV SS 19 36.6, eV LR 19 47.7 (T=46), V MR 19 59.2 (T=18); D=9600 km. USCGS: 26.2 N, 110.2 W; h=29 km. Kalifornien. Mag.=7.0 (Strasb.), 6.8 (Uppsala), 6.0 (CGS).

Juli 1964 (Fortsetzung)

5. eZ P 23 48 02.5 Kompr., iZ 23 48 03.3 Kompr. (T=1.5, Az=0.39), iV 23 48 03.3 Dilat. (T=14), eiZ 23 48 11.2, iZ pP 23 48 17.5, eiZ 23 48 39, eV PP 23 51.2, eV S 23 58 21, eV SS 24 03 57, eiV LR 24 13 38 (T=62), V MR 24 19 (T=32), V MR 24 27 (T=19); h=ca. 55 km. D=8800 km. USCGS: 44.8 N, 149.6 E; h=54 km. Kurilen. Mag.=6.8 (Upsala), 6.25 (Pas.), 5.5 (CGS).

5. iZ P 23 51 11.5 Kompr. (T=1.5, Az=0.10), eZ 23 51 32; D=8800 km. USCGS: 44.7 N, 149.6 E; h=48 km. Kurilen.

6. (e)Z (P) 02 27 12, (e)Z 02 27 15, eZ P 02 27 18 (T=1.2, Az=0.05), eV 02 27 20, eiZ 02 27 26 (T=1.8, Az=0.18), eZ 02 27 37, eV SP 02 38 40, eiV LR 02 54 20 (T=43), V MR 03 04.0 (T=18), V MR 03 05.6 (T=18); D=9600 km. USCGS: 26.2 N, 110.4 W; h= 33 km. Kalifornien. Mag.=7.1 (Uppsala). 6.75-7.0 (Strasb.), 6.0-6.5 (Pal.), 5.4 (CGS).

6. iZ P 07 34 46.5 Dilat., i!V 07 34 46.5 Kompr., iZ (PcP) 07 34 49.0, (T=1.5, Az=1.12), iZ pP 07 35 10.5 (T=2.5, Az=4.8), iV PP 07 38 12, eV PPP 07 39 50, iE S 07 45 23 (T=7.5, Ae=17), iV 07 45 23 (T=27), iV SS 07 50 48 (T=62), ei!V G 07 57.5 (T=50), ei!V LR 08 03.1 (T=62), V MR 08 04.4 (T=47), V MR 08 07.5 (T=30), V MR 08 11.5 (T=26), h=ca.95 km. D=9700 km. USCGS: 18.3 N, 100.4 W; h=100 km. Guerrero, Mexiko. Mehr als 30 Tote, viele Verletzte und umfangreiche Gebäudeschäden in Guerrero. Mag.=7.25-7.5 (Strasb., Pal.), 7.25 (Uppsala), 6.75-7.0 (Pas.), 6.3 (CGS).

6. eZ P 10 22 07.8, eZ 10 22 10, eZ pP 10 22 29.5 (T=1.5, Az=0.10); h=ca. 95 km. D=5200 km. USCGS: 37.1 N, 71.4 E; h=100 km. Hindukusch. Mag.=5.9 (CGS).

6. eZ 13 41 26.

6. eZ PKP 20 10 36, eV LR 21 09 (T=26). USCGS: 21.2 S, 173.8 E; h=22 km. Neue Hebriden. Mag.=4.8 (CGS).

7. eZ PKP 07 57 58, eZ 08 00 08, eZ 08 00 20.5. USCGS: 23.6 S, 179.9 W; h=462 km. Fidschi-Inseln. Mag.=5.5 (CGS).

8. eV P 12 10 14 Dilat.,iZ PKP 12 14 00.0 Dilat., eiZ 12 14 49.5, eiZ PP 12 15 02, iV 12 15 05.5, eiZ 12 15 46, eiV 12 15 51, eiZ 12 15 55, eiE 12 20 31.5, eE 12 23 43, eiV (SPP) 12 25 43, eV SSS 12 36 10, eV 12 43 23, eiV LR 12 52.0 (T=46), V MR 13 02.5 (T=24); D=12500 km. USCGS: 5.5 S, 129.8 E; h=165 km. Banda-See. Mag.=6.5 (CGS).

9. eV LR 06 43.0, V MR 04 44 (T=18).

9. eZ PKP 11 41 52 Kompr., iZ 11 41 59.o, eiZ 11 42 08.3, eiZ 11 42 21.2, eV PP 11 45 39, eV 11 49 08, eiV LR 12 39.0 (T=32), V MR 12 51 (T=23); D=17200 km. USCGS: 23.3 S, 175.7 W; h=43 km. Tonga-Inseln. Mag.=5.7 (CGS).

9. eZ 15 12 40, eE 15 12 42.

Juli 1964 (Fortsetzung)

9. ei!V PKP 16 58 57 Dilat., iZ 16 59 02.0 Dilat., iZ 16 59 05 (T=4.5, Az=7.5), iZ 17 01 03, iZ 17 01 33.3, iZ PP 17 02 13.8 (T=3.5, Az=2.0), iZ SKP 17 02 34.0 (T=3.5, Az=3.6), iV 17 02 57, ei!V LR 17 46.8, V MR 17 47.5 (T=56); D=15600 km. USCGS: 15.5 S, 167.6 E; h=121 km. Neue Hebriden. Mag.=7.5-7.75 (Berk.), 7.5 (Pas., Uppsala), 7.0-7.25 (Strasb.), 6.6 (CGS).

11. eZ (P) 17 27 21.5

11. iZ P 17 49 09.7 Dilat. (T=1.6, Az=0.15), eZ 17 49 27.5, eV S 17 52 58, eV LR 17 54.7 (T=32), V MR 17 58 (T=14); D=2300 km. USCGS: 66.4 N, 19.7 W; h=19 km. Nord-Island. Mag.=4.9 (CGS).

11. iZ P 20 36 35.0, eZ 20 37 22, eV PP 20 39 04, eV LR 20 58 (T=52), V MR 21 10.2 (T=16); D=7500 km. USCGS: 59.7 N, 146.2 W; h=40 km. Alaska. Mag.=5.6 (CGS).

11. eZ (Pg) 23 49 09, iE (Sg) 23 49 17.0, eiZ L 23 49 24.8. Sprengung oder Gebirgsschlag?

12. eiZ P 01 57 44.3 Dilat. (T=1.3, Az=0.13) eZ 01 57 53, eZ PP 02 00 49, eV S 02 07 55, eV SP 02 08 38, eV LR 02 24.5 (T=56), V MR 02 37.8 (T=14), V MR 02 41.2 (T=13); D=9000 km. USCGS: 38.6 N, 139.2 E; h=13 km. Nahe der Westküste von Hondo, Japan. Mag.=6.25-6.5 (Strasb.), 6.0 (CGS).

12. eZ P 20 26 56. USCGS: 24.9 N, 95.3 E; h=155 km. Burma.

13. iZ PKP 01 33 18.3. USCGS: 20.7 S, 178.7 W; h=575 km. Fidschi-Inseln. Mag.= 4.9 (CGS).

13. eZ P 11 09 52.3, eZ pP 11 10 19; h=ca.105 km. D=8000 km. USCGS: 23.7 N, 94.7 E; h=117 km. Burma. Mag.=6.5 (CGS).

13. eZ P 12 06 48.5. USCGS: 42.5 N, 126.7 W; h=33km. Nahe der Küste von Oregon. Mag.=5.6(CGS).

13. eZ P 21 12 06 (in der Minutenlücke, T=1.5, Az=0.08), eZ 21 12 44.5, eV S 21 20 00, eV LR 21 27.8 (T=45), V MR 21 29.5 (T=28); D=6150 km. USCGS: 7.7 N, 34.7 W; h=33 km. Atlantik. Mag.=5.2 (CGS).

14. eZ Pn 05 35 25.7 (T=0.4), eZ 05 35 33.2, eZ (Pb) 05 35 39.0, eE 05 35 40.3, eZ 05 35 50.3, eE 05 36 07.0, eE 05 36 22.0, eE 05 36 27.5, iE Sn 05 36 29.2 (T=0.6, Ae=0.73), iZ 05 36 30.0 (T=0.9, Az=0.55), iE (Sg) 05 36 41.0 (T=0.6, Ae=0.35), iZ 05 36 42.0, eZ 05 37 57.5; D=650 km. Sn-Welle ungewöhnlich kräftig! Herd in der Nähe oder dicht unterhalb der M-Diskontinuität? BCIS: 57.2 N, 7.3 E; H= 05:33:56. Nordsee, südlich des Skagerrak. Verspürt an der Südspitze von Norwegen. USCGS: 57.0 N, 7.3 E; h=36 km; H=05:33:55.1. Mag.=5.1 (CGS).

Juli 1964 (Fortsetzung)

14. eiZ P 14 09 59.5 Kompr. (T=1.5, Az=0.06), eZ 14 10 19.5, eZ 14 11 26; D=7950 km. USCGS: 53.3N, 159.7 E; h=40 km. Kamtschatka. Mag.=5.5 (CGS).

14. eZ P 17 31 25.5 Dilat. USCGS: 45.3 N; 150.2 E; h=33 km. Kurilen. Mag.=4.8 (CGS).

14. eZ P 23 10 07, eZ 23 10 12.5. USCGS: 59.5 N, 144.8 W; h=20 km. Alaska. Mag.=5.1 (CGS).

15. iZ P 07 37 55.0 Dilat. (T=1.3, Az=0.07), eZ 07 38 22. USCGS: 52.1 N, 170.6 W; h=30 km. Aleuten. Mag.=5.6 (CGS).

15. eZ P 09 52 46.8 Dilat. (T=1.5, Az=0.08), eZ 09 53 31, eV LR 09 57.2 (T=20), V MR 09 59.5 (T=12); D=1725 km. BCIS:35.5 N, 4.25 E; h=33 km. Algerien. Mag.=4.3 (CGS).

15. eZ P 19 08 31.0.

16. eZ P 10 49 28. eZ P 16 18 36.

16. eZ P 17 44 47, eZ 17 45 16, eV LR 17 52.7, V MR 17 55 (T=14); D=2350 km. USCGS: 36.1 N, 30.8 E; h=61 km. Türkei. Mag.= 4.9 (CHS).

17. eZ P 02 38 21.5 Kompr., iZ 02 38 22.5 Kompr. (T=1.5, Az=0.92), iV 02 38 23 Dilat. (T=8.0), iZ 02 38 27.5, iZ 02 38 46.9, iZ 02 39 03.1, eV S 02 41 28, i!V 02 41 35 (T=14), eiE 02 41 47 (T=3.5, Ae=2.7), eiV 02 42 22, eiV LR 02 42 56 (T=44), eiV 02 45 06; SV-Welle sehr kräftig. D=1900 km. BCIS: 38.0 N, 23.5 E; h=160 km; H=02:34:26. Nordspitze der Insel Salamis, Griechen= land. Athen: Fläche des makroseismischen Schütter= gebietes F=540 000 km^2. Mag.=5.8 (Athen), 5.5-5.75 (Berk.), 5.4 (CGS).

17. eiZ P 02 46 12; Dem vorausgehenden überlagert.

17. iZ P 04 52 54.5 (T=1.0, Az=0.07), iZ 04 53 12.5, iZ 04 53 18.6, eV LR 05 20, V MR 05 29.5 (T=21); D=8500 km. USCGS: 49.3 N, 158.6 E; h=50 km. Kurilen. Mag.=5.4 (CGS).

17. eZ (P) 13 54 22.

17. eZ (P) 16 09 50.5.

17. iZ P 23 06 46.5 (T=1.2, Az=0.16), eV LR 23 37 (T=32), V MR 23 46 (T=18); D=8800 km. USCGS: 44.6 N, 149.2 E; h=33 km. Kurilen. Mag.=5.4 (CGS).

18. iZ P 03 44 46.8 Dilat. (T=1.5, Az=0.17), iZ 03 44 50.5, eZ 03 44 59.0, iZ 03 45 06.5, eV PP 03 45 13, eE S 03 48 27 (T=3.5, Ae=1.0), eV 03 48 28, eiV SS 03 49 01, eV LR 03 51.0 (T=36); D=2300 km. BCIS:37.7N, 26.4 E; h=33 km. Nördlich Kreta. Mag.=4.9 (CGS).

18. iZ (P) 14 50 32.7.

Juli 1964 (Fortsetzung)

19. iZ P 06 08 (06.5) in der Minutenlücke, iE 06 08 07.5; D=4850 km. BCIS: 42.7 N, 78.0 E; H=05:59:59. Gebiet von Semipalatinsk, USSR. Unterirdische Kernexplosion? Mag.=5.5 (CGS).

21. (e)V (PKP) 04 08 36, eV 04 08 51, eV pPKP 04 09 38, eV PP 04 12 22, V MR 05 03 (T=50); Hiller-Z ausgefallen. USCGS 26.0 S, 178.0 W; h=222 km. Fidschi-Inseln. Mag.= 5.8 (CGS).

21. iZ P 10 05 16.6 Dilat. (T=1.4, Az=0.11), eV LR 10 24.4 (T=28), V MR 10 33.1 (T=14); D=5600 km. USCGS: 72.1 N, 130.2 E; h=33 km. Laptew-Meer, vor der Lena-Mündung. Mag.=5.4 (CGS).

21. eE (Sg) 11 05 11.9, eiZ L 11 05 15.2. Sprengung?

21. eZ (Pg) 15 06 26.9. Sprengung?

21. iZ PKP 21 20 46.4 Kompr., eZ PP 21 22 40, eV LR 22 02 (T=52), V MR 22 08 (T=34), V MR 22 14 (T=25), D=14 000 km. USCGS: 4.6 S, 153.3 E; h=60 km. Neu-Britannien. Mag.=4.9 (CGS).

22. iZ (Pg) 15 44 07.8 Kompr., iE (Sg) 15 44 13.7, E ML 15 44 21.5 (T=0.8, Ae=0.44); D=ca. 45 km. Sprengung oder Gebirgsschlag ?

23. eZ 09 50 03.5, eV LR 10 07 (T=46), V MR 10 17 (T=16).

23. eZ (Pg) 11 09 06.5, eE (Sg) 11 09 16.0. Sprengung oder Gebirgsschlag ?

23. iZ P 19 19 01.o (T=1.0, Az=0.10), iZ 19 19 08.3; D=7500 km. USCGS: 59.9 N, 149.2 W; h=55 km. Alaska. Mag.=5.4 (CGS).

24. iZ P 07 02 51.4 Kompr. (T=1.2, Az=0.30), iV 07 02 51.5 Dilat. (T=10), eV PP 07 05 44, eE S 07 12 43, eiV SS 07 18 32, eV LR 07 27.5 (T=76), V MR 07 45 (T=17); D=8700 km. USCGS: 46.9 N, 153.4 E; h=33 km. Kurilen. Mag.=6.0 (Pas.), 5.9 (CGS).

24. iZ P 08 24 36.6 Kompr., iV 08 24 37 Dilat. (T=12), iZ 08 24 40.2 (T=1.0, Az=0.52), eV PP 08 27 27, eiE S 08 34 33 (T=3.5, Ae=0.68), ei!V SS 08 40 17 (T=36), eiV LR 08 49 (T=75), V MR 08 59 (T=24), V MR 09 02 (T=22), V MR 09 04 (T=16), V MR 09 06.8 (T=16); D=8700 km. USCGS 47.2 N, 153.8 E; h=33 km. Kurilen. Mag-= 6.5 (Pas.) 5.9 (CGS).

24. iZ P 09 29 00.0 Kompr. (T=1.0, Az=0.06), eZ 09 29 08. USCGS: 46.8 N, 154.1 E; h=33 km. Kurilen. Mag.=5.0 (CGS).

24. eZ 11 08 16.5.

24. eZ 12 28 44.

24. iZ P 12 48 00.2. USCGS: 46.9 N, 154.0 E; h=33 km. Kurilen. Mag.=4.9 (CGS).

24. iZ P 13 37 16.6 Kompr. iV 13 37 17 Dilat. (T=8.0), iZ 13 37 18.0 (T=1.4, Az=0.25), eV PP 13 40 17; D=8700 km USCGS: 47.0 N, 153.7 E; h=33 km. Kurilen. Mag.=5.7 (CGS).

Juli 1964 (Fortsetzung)

24. eZ P 14 06 50 Kompr.

24. iZ P 16 46 27.5 Dilat. (T=1.0, Az=0.07); eZ 16 46 33; D=8700 km. USCGS: 47.2 N, 153.9 E; h=33 km. Kurilen. Mag.= 5.0 (CGS).

24. iZ P 17 14 47.5 Kompr. (T=2.0, Az=0.62), iV 17 14 47.5 (T=10), iZ 17 14 51.9, eV PP 17 17 44, eV PPP 17 19 27, eE S 17 24 38, eV SS 17 30 22, eV LR 17 39 26 (T=70), V MR 17 50 (T=24), V MR 17 52 (T=20); D=8700 km. USCGS: 47.1 N, 153.6 E; h=33 km. Kurilen. Mag.=6.5 (Pas.), 5.8 (CGS).

24. eZ P 19 02 00.5. USCGS: 47.0 N, 153.8 E; h=33 km. Kurilen. Mag.=5.1 (CGS).

24. eZ P 19 07 14.6.

25. eZ PKP 12 39 47, eZ 12 40 30.5, eZ 12 40 48. USCGS: 19.9 S, 176.2 W; h=205 km. Tonga-Inseln. Mag.=5.3 (CGS).

25. eZ P 18 16 12.2. USCGS: 46.8 N, 154.1 E; h=33 km. Kurilen. Mag.=4.8 (CGS).

25. eZ (P) 18 37 49, eZ 18 38 00.5.

25. eV P 19 45 11 Dilat., eV 19 49 17, eiZV PP 19 49 28, eV SP 19 58 47, eV LR 19 21 40 (T=38), V MR 19 28.5 (T=23); D=11 600 km. USCGS: 27.9 S, 70.9 W; h=26 km. Chile. Mag.=6.75 (Strsb.), 6.1 (CGS).

25. eZ P 21 48 29, eV LR 22 26 20, V MR 22 36 (T=24).

25. iZ P 14 08 12.0. USCGS: 2.6 N, 78.5 W; h=38 km. Ekuador. Mag.=5.3 (CGS).

26. eZ P 18 46 34 (T=1.1, Az=0.08), eZ 18 46 48.5; D=8700 km. USCGS: 46.8 N, 153.8 E; h=33 km. Kurilen. Mag.=5.2 (CGS).

26. eZ Pn 20 22 56.5, eZ Pg 20 23 15.8, eZ Sn 20 23 51, eZ Sg 20 24 24.2; D=530 km. Hiller-EV ausge= fallen. BCIS: 46.2 N, 7.8 E; h=20 km. Walliser Alpen, Schweiz.

27. eZ (P) 01 00 07.7, eZ 01 00 18, eZ 01 00 27.

27. eZ 11 10 38, eZ Pg 11 10 57.7, eiZ 11 11 35.0, eiZ 11 11 37; D=585 km. BCIS: 46° 45' N, 5° 54' E; H=11:09:15; h=0 km. Einsturz eines Bergwerkes bei Champagnole, Französischer Jura.

27. eZ P 23 12 38, eV PP 23 15 32, eV LR 23 42.6 (T=30), V MR 23 54.6 (T=16). USCGS: 46.8 N, 153.8 E; h=33 km. Kurilen. Mag.=5.3 (CGS).

28. eV 19 00 10, eiV LR 19 52 (T=54), V MR 19 56.2 (T=34). USCGS: 51.2 S, 139.0 E; h=33 km. Gebiet von Tasmanien.

28 eV P 21 50 44, eV PP 21 53 06, eE S 22 00 42.5, eV SS 22 06 56, eV LR 22 16 (T=66), V MR 22 31 (T=18); D=8700 km. USCGS: 14.3 N, 96.2 E; h=33 km. Andamanen. Mag.=6.25-6.5 (Strasb.), 5.5 (CGS).

Juli 1964 (Fortsetzung)

29. eZ (Pg) 16 00 27.8, eZ (Sg) 16 00 33.9, eiZ L 16 00 39.

30. eZ P 05 28 27.0 Kompr., eZ 05 28 53, eV SP 05 39 52, eV SS 05 44 28, eV LR 05 55 18 (T=34), V MR 06 00 (T=22), V MR 06 02 (T=20); D=9250 km. USCGS: 11.1 N, 86.2 W; h=42 km. Costa-Rica. Mag,=6.25 (Strasb.), 5.7 (CGS).

30. eZ (P) 15 44 27.

31. eZ P 04 17 11.5, eV LR 04 45, V MR 04 56 (T=20). USCGS: 44.6 N, 151.6 E; h=53 km. Kurilen. Mag.=5.5 (CGS).

31. eZ (P) 06 07 56, eZ PKP 06 11 21, eiV PP 06 13 08 (T=28), eV PPP 06 15 45, eiV SPP 06 24 40, eiV SS 06 31 03, eiV SSS 06 35.0, eiV G 06 44 10, eiV LR 06 53 20, V MR 06 58 (T=34), V MR 07 05 (T=24); D=14 000 km. USCGS: 6.1 S, 149.4 E; h=63 km. Neu-Britannien. Mag.= 6.5 (Strasb.), 5.9 (CGS).

31. eiE Sg 15 29 55.5.

31. eZ P 23 53 01.4 Kompr. eV LR 24 03 (T=40), V MR 24 17 (T=18); D=4050 km. USCGS: 86.3 N, 40.5 E; h=10 km. Arktischer Ozean. Mag.=5.3 (CGS).

AUGUST 1964

1. eZ (P) 15 04 06.

2. eZ P 08 47 35.0, eiZ 08 47 36.5 (T=1.1, Az=0.05), eZ pP 08 47 46.8, eV LR 09 10 33 (T=48), V MR 09 21.5 (T=16); D=7900 km. USCGS: 56.2 N, 149.9 W; h=31 km. Alaska. Mag.=5.4 (CGS).

2. eZ Pn 10 42 26.7, eZ 10 42 33.5, eZ 10 42 57.5, eE (Sn) 10 44 13, eZ 10 44 16, eZ 10 45 44, eiE 10 46 01, E M 10 46 03 (T=2.0, Ae=0.24), V MR 10 46.8 (T=9.0); D=980 km. BCIS: 41.1 N, 13.0 E; h=0 km. Apeninnen, Mittel-Italien. Mag.=5.0 (Roma).

3. eZ P 01 59 25.5, eZ 01 59 54, eV S 02 08 23, eV SS 02 12 43, eV LR 02 20 (T=30), V MR 02 23-25 (T=21); D=7400 km. USCGS: 19.8 N, 70.7 W; h=7 km. Dominikanische Republik. Mag.=5.2 (CGS).

3. eiZ P 07 57 26.8 Kompr. (T=2.0, Az=0.12), eZ 07 57 45, eV PP 08 00 48, eiZ 08 00 49, eV LR 08 28 (T=40), V MR 08 39.5 (T=20); D=9650 km. USCGS: 22.6 N, 121.3 E; h=33 km. Formosa. Mag.= 5.4 (CGS).

3. eZ 12 53 01, eZ 12 53 10.

3. eZ 15 08 26; Sprengung.

4. eZ (Pg) 11 03 34.2, eE (Sg) 11 03 39.6; D=ca.40 km. Sprengung?

August 1964 (Fortsetzung)

4. eiZ P 17 36 18.5 Dilat. (T=2.0, Az=0.29), eV 17 36 19 Kompr., eZ PP 17 39 13, eV S 17 46 03, eiV LR 18 02 26 (T=52), V MR 18 10 (T=27); D=8650 km. USCGS: 46.5 N, 151.1 E; h=101 km. Kurilen. Mag.=5.9 (CGS).

5. eZ (P) 04 37 20, eZ 04 37 41.

5. eiZ PKP 1 11 25 33.5 Kompr., iZ PKP 2 11 26 17.4 Dilat., eiZ 11 27 14.5, eiZ 11 29 58, eiV PP 11 30 54, eV PPP 11 34 20; D=18 000 km. USCGS: 32.1 S, 179.8 E; h=235 km. Kermadec Inseln. Mag.=5.8 (CGS).

5. eiE (Sg) 15 08 22.3, eiE L 15 08 25.5; Sprengung?

5. (e)V (P) 22 38 10, eZ PKP 22 41 53, eiZ PP 22 43 04, eiV PPP 22 45 30, eiV SP 22 52 40, eiV LR 23 18 22 (T=48), V MR 23 27.5 (T=23); D=13 000 km. USCGS: 41.1 S, 74.9 W; h=33 km. Süd-Chile. Mag.=6.1 (CGS).

6. iZ P 02 45 47.3 Kompr. (T=1.0, Az=0.11), eZ pP 02 46 32.5, h=185 km. D=9200 km. USCGS: 31.5 N, 129.9 E; h=197 km. Japan. Mag.=5.5 (CGS).

6. eZ (P) 17 22 22, eZ 17 22 34.

6. eZ P 18 36 07.5, eV S 18 45 28, eV SS 18 50 20, eV LR 19 01, V MR 19 11.7 (T=19); D=7900 km. USCGS: 56.9 N, 152.1 W; h=39 km. Alaska. Mag.=5.6 (CGS).

7. iZ PKP 00 02 19.5. Nouméa: 19.3 S, 167.7 E. Neue Hebriden. Mag.=5.0.

8. eiE (Sg) 11 30 53.

8. iZ P 15 12 19.5 Dilat.(T=1.5, Az=0.14), iZ PP 15 15 47; D=9800 km. USCGS: 31.7 N, 140.2 E; h=110 km. Japan. Mag.=5.7 (CGS).

8. eZ P 15 57 32, eV LR 16 24 (T=50), V MR 16 29.5 (T=20).

8. eZ (P) 20 18 17 ; schwache Spur.

10. iZ P 01 20 55.9, eV S 01 29 44, eV LR 01 40 52 (T=36), V MR 01 43 (T=24); D=7300 km. USCGS: 67.3 W, 19.1 N; h=33 km. Mona-Passage, Antillen. Mag.=5.5 (CGS).

12. iZ P 07 03 27.0 Komp. (T=1.4, Az=0.42), eZ (pP) 07 03 48.5, eZ 07 04 00.5; D=8400 km. USCGS: 48.9 N, 153.7 E; h=127 km. Kurilen. Mag.=5.6 (CGS).

12. eZ P 19 33 36 Komp., eZ 19 33 57, eV PP 19 35 03, eV S 19 39 23, V MR 19 52.5 (T=13); D=4100 km. USCGS: 31.0 N, 49.8 E; h=33 km. Iran. Mag.=5.1 (CGS).

13. eV P 00 46 18 Kompr., eV (pP) 00 47 44, eZ PKP 00 49 34 Dilat., iZV 00 49 35.5 Kompr. (T=2.4, Az=0.48), iZV pPKP 00 51 13, iV PP 00 51 42, eiV SKP 00 53 00, eV PPP 00 54 28, eV 01 02 19, eZ 01 02 33, V MR 01 48 (T=22); D=14 100 km. Deutliche am Erdkern gebeugte P-Wellen in der V-Komponente. USCGS: 5.4 S, 154.3 E; h=383 km. Salomonen. Mag.=6.0 (CGS).

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13. eiZ P 10 42 53.8 Kompr., eZ PP 10 43 17.5, V MR 10 52.6 (T=12); D=2400 km. USCGS: 34.2 N, 25.7 E; h=33 km. Kreta. Mag.=4.4 (CGS).

13. eV LR 18 57 (T=46), V MR 19 04.5 (T=20). USCGS: 10.5 S, 13.3 W. Mittelatlantischer Rücken. Mag.=4.8 (CGS).

14. eV P 21 37 27, eV S 21 45 20, eiV LR 21 54.0 (T=36), V MR 21 54.2 (T=36); D=6300 km. USCGS: 7.4 N, 36.8 W; h=33 km. Mittelatlantischer Rücken. Mag.=4.7 (CGS).

16. iZ (Pg) 16 10 51.0.

16. eZ (P) 19 59 50.

17. iZ P 00 22 24.0, eZ 00 22 28.3 (T=1.0, Az=0.08), eZ 00 23 15, eV S 00 26 17, eV LR 00 29 25 (T=28), V MR 00 31.8 (T=12). BCIS: 35.3 N, 26.1 E; h=0 km. Südöstlich Kreta. Mag.=4.9 (Athen), 4.8 (CGS).

17. eZ P 09 12 08.0, eZ 09 12 12.2, V MR 09 21 (T=14); D=2500 km. USCGS: 52.0 N, 30.0 W; h=42 km. Nord-Atlantik. Mag.=4.9 (CGS).

17. iZ P 12 03 19.8 Kompr. (T=1.0, Az=0.09), iZ (pP) 12 03 33.5; h=ca. 45 km, D=8700 km. USCGS: 46.3 N, 151.9 E; h=33 km. Kurilen. Mag.=4.9 (CGS).

17. iZ P 15 20 08.0 Kompr. (T=1.8, Az=0.25), eV LR 15 25 20 (T=36), V MR 15 30.0 (T=16); D=2400 km. USCGS: 72.2 N, 1.7 E; h=33 km. Gbiet von Jan Mayen. Mag.=5.4 (CGS).

17. eZ 15 30 42.

17. eZ P 22 52 36.8 Kompr., eZ 22 52 43, eZ 22 53 18, eZ 22 53 44, V MR 23 01.5 (T=15); D=2550 km. USCGS: 52.1 N, 30.1 W; h=36 km. Nord-Atlantik. Mag.= 5.1 (CGS).

18. eZ Pn 00 36 12.5, eZ Sn 00 38 01.5; D=1100 km. BCIS: 43.8 N, 17.0 E; h=0 km. Jugoslawien, östlich Split. Mag.= 4.4 (CGS).

18. (e)Z (P) 04 58 (57), eV P 04 59.0, eV 05 06 38, eZ 05 12 14.5, eiV Sp 05 12 25, eV 06 16 14, eiV LR 05 36.3 (T=36), V MR 05 42 (T=22); D=11 400 km. USCGS: 26.4 S, 71.5 W; h=8 km. Chile. Mag.=6.4 (CGS).

18. eZ P 15 36 28. USCGS: 5.7 N, 58 0 E; h=33 km. Indischer Ozean. Mag.=5.4 (CGS).

19. eZ P 09 40 49.3 Dilat., eZ PP 09 42 09, eV SS 09 50 10, eV 09 53 22, eV LR 09 56, V MR 10 00 (T=20); D=4550 km. USCGS: 28.2 N, 52.6 E; h=50 km. Süd-Iran. Mag.=5.6 (CGS).

19. eZ P 15 27 54, V MR 15 47 (T=20); D=4550 km. USCGS: 28.2 N, 52.7 E; h=52 km. Süd-Iran. Mag.=5.6 (CGS).

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20. eZ P 02 13 00.0, eiZ 02 13 07 (T=2.1, Az=0.13), eZ PP 02 13 50, eV LR 02 18 30 (T=30), V MR 02 23 (T=17); D=2300 km. USCGS: 72.1 N, 1.4 E; h=33 km. Gebiet von Jan Mayen. Mag.=5.1 (CGS).

20. eiZ P 04 00 54.0 Kompr., eiZ 04 00 57.8 (T=1.8, Az=0.18), eE S 04 04 30, eV 04 04 37, eiV LR 04 05 47 (T=36), V MR 04 09.5 (T=16); D=2200 km. USCGS: 63.9 N, 20.5 W; h=33 km. Island. Mag.=4.8 (CGS). BCIS/Reykjavik: 64.1 N, 20.4 W. Stark ver= spürt in Südwest-Island.

20. (e)Z P 05 16 22, eZ 05 16 30.0 Kompr.; D=4550 km. USCGS: 28.1 N, 52.6 E; h=47 km. Süd-Iran. Mag.=5.1 (CGS).

20. iZ P 05 47 26.5 Kompr. (T=2.0, Az=0.20), V MR o6 07 (T=20); D=4550 km. USCGS: 28.2 N, 52.6 E; h=52 km. Süd-Iran. Mag.=5.5 (CGS).

20. eZ P 16 34 48.0 (T=1.5, Az=0.10), eV LR 16 40 20 (T=36), V MR 16 44.5 (T=17); D=2400 km. USCGS: 72.3 N, 1.7 E; h=33 km. Europäisches Nordmeer. Östlich Jan Mayen. Mag.=5.1 (CGS).

21. eZ P 08 06 54.3 Kompr. eZ 08 07 35.5, eV 08 19 26, V MR 08 26 (T=20); D=4550 km. USCGS: 28.3 N, 52.5 E; h=54 km. Süd-Iran. Mag.=4.9 (CGS).

21. eZ P 16 54 43. USCGS: 40.1 N, 40.9 E; h=44 km. Türkei. Schäden in Ilica, Prov. Erzerum. Mag.=4.6 (CGS).

21. eV 23 41 03, eV LR 23 50 (T=40).

22. (e)Z 03 15 49, eZ (P) 03 16 01.5, eV LR 03 49 24 (T=20).

22. eZ P 17 09 33.5, eV LR 17 15 30 (T=33), V MR 17 18 20 (T=15); D=2500 km. USCGS: 51.9 N, 30.0 W; h=33 km. Nord-Atlantik. Mag.=4.9 (CGS).

22. eZ P 17 29 28.0 Kpmpr., eiV LR 17 35 24 (T=33), V MR 17 38 40 (T=14) D=ca. 2500 km.

23. eZ P 03 01 12, eV LR 03 07 45, V MR 03 09 30 (T=20); D=2500 km. USCGS: 59.4 N, 30.3 W; h=33 km. Nord-Atlantik. Mag.=4.6 (CGS).

23. eZ (P) 04 45 14 Kompr.

23. eZ P 05 52 46.3, eV (S) 05 57 03, eV LR 05 58 38 (T=36), V MR 06 03 30 (T=12); D=2500 km. USCGS: 59.4 N, 30.2 W; h=33 km. Nord-Atlantik. Mag.=4.8 (CGS).

23. eV PP 15 44 51 Kompr., eV 15 45 53, eV PPP 15 47 33, eV SSP 15 56 20, eV SSS 16 07 10 (T=40), eV LR 16 25, V MR 16 30 (T=35), V MR 16 37 (T=24); D=13900 km. USCGS: 6.1 S, 149.4 E; h=63 km. Neu-Britannien.

24. eZ 01 30 07 (In der Minutenlücke).

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24. iZ P 10 49 55.5 Kompr. USCGS: 1.5 S, 78.1 W; h=173 km. Ekuador. Mag.=5.1 (CGS).

24. eZE (Sg) 12 51 02.3. Sprengung?

24. iZ P 22 08 02.5 Kompr. (T=2.0, Az=0.12), V MR 22 42 (T=18); D=7700 km. USCGS: 58.4 N, 150.3 W; h=22 km. Alaska. Mag.=5.8 (CGS).

25. eZ P 11 16 46.0 Kompr., eZ 11 16 51.0, eV S 11 20 38, eV LR 11 24 26 (T=22), eiV 11 26 48, V MR 11 47 00 (T=14); D=2450 km. BCIS: 36.0 N, 29.0 E; Mittelmeer, östlich der Insel Rhodos. Mag.=5.4 (Praha),5.3 (Uppsala), 5.0 (Collm), 4.9 (CGS).

25. eZV P 13 55 40.7 Dilat., iZ 13 55 42.0 Kompr. (T=3.0, Az=0.95), eiZ 13 55 48, iV PP 13 57 38, iE S 14 02 28, iV SP 14 02 38 (T=44), eiV LR 14 08 52 (T=60), V MR 14 09 50 (T=60), V MR 14 20 12 (T=15); D=5100 km. USCGS: 78.2 N, 126.6 E; h=50 km. Nördliches Eismeer, östlich Sewernaja Semlja. Mag.= 6.5-6.75 (Strasb.), 6.6 (Uppsala), 6.25-6.5 (Pas.), 6.1 (CGS).

25. eZ P 14 42 39.5. USCGS: 35.7 N, 29.1 E; h=24 km. Mittelmeer. Mag.=4.8 (CGS).

25. eZ (P) 18 00 51.5.

26. eiZ P 03 23 47.5 (T=2.0, Az=0.21), eZ 03 24 29, eV LR 03 29 40 (T=34), V MR 03 32 40(T=15); D=2750 km. BCIS: 52.5 N, 32.5 W; Mittelatlantische Schwelle, südlich Island. Mag.=5.4 (CGS).

27. iZ PKP 08 13 35.0 Kompr. (T=2.0, Az=0.32), eiZ 08 13 44, V MR 09 20 (T=19). USCGS: 17.5 S, 173.0 W; h=33 km. Tonga-Inseln. Mag.=5.3 (CGS).

27. iZ P 12 06 34.2 Kompr. (T=1.2, Az=0.05), eZ 12 06 55 D=4800 km. USCGS: 28.2 N, 55.7 E; h=69 km. Süd-Iran. Mag.=5.1 (CGS).

27. iZ P 13 04 47.8 Dilat. (T=1.5, Az=0.07), eV LR 13 19, V MR 13 27 (T=15); D=4800 km. USCGS: 27.5 N, 55.9 E; h=33 km. Süd-Iran. Mag.=5.3 (CGS).

27. eZ 13 10 53.

27. eZ (P) 13 39 19.

27. eZ P 19 36 53, eiZ 19 37 43.5, eV S 19 40 52, eiV 19 42 46, eV LR 19 44 34 (T=24), V MR 19 47 12 (T=14); D=2400 km. BCIS: 36.0 N, 24.0 E; Mittelmeer, östlich der Insel Rhodos (wie am 25.8.64). Mag.=5.5 (Strasb.) 5.4 (Pruhonice), 5.3 (Uppsala), 4.9 (Collm), 4.7 (CGS).

28. eiZ (P) 20 46 09.

28. eZ (P) 00 08 15.

28. eZ PKP 04 54 11 Kompr., eiZ 04 54 11.7 Dilat. (T=1.3, Az=0.32), eZ 04 54 18.0, eZ 04 54 34, iZ pPKP 04 56 29.3 Kompr., eZ 04 56 56.5; h=ca.600 km. USCGS: 19.8 S, 178.2 W; h=580 km. Fidschi-Inseln. Mag.= 5.4 (CGS).

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30. iZ PKP 22 04 16.2 Kompr., eiZ 22 04 22, eZ 22 05 21. USCGS: 13.7 S, 172.5 E; h=33 km. Neue Hebriden.

31. eZ P 23 32 10.

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1. eZ (Sg) 12 57 47.0. Sprengung?

1. eZ P 13 33 27, eV S 13 42 20, eV (LR) 13 57 12 (T=40), eV LR 14 02 (T=28), V MR 14 06 30 (T=13); D=7400 km. USCGS: 27.2 N, 92.3 E; h=33 km. Grenzgebiet Indien-China. Mag.=5.7 (CGS).

1. eiZ P 17 28 40.1 Kompr., iZ 17 28 55.0 (T=1.5, Az=0.16); D=8750 km. Oberflächenwellen sehr schwach. USCGS: 51.2 N, 170.6 W; h=25 km. Fuchs-Inseln. Mag.=5.5 (CGS).

2. eZ PKP 21 51 49. USCGS: 18.6 S, 169.4 E; h=218 km. Neue Hebriden. Mag.=4.9 (CGS).

3. eZ (P) 14 36 53.5 Kompr.

3. (e)Z (PKP) 17 18 28, eZ PKP 17 18 41, eZ 17 18 45.5. USCGS: 15.2 S, 173.5 W; h=33 km. Tonga-Inseln. Mag.=5.1 (CGS).

4. iZV P 03 38 16.8 Dilat. (T=2.0, Az=0.24), iZ 03 38 22.8, eV PP 03 40 21, eV S 03 46 12, eV SS 03 49 58, eV LR 03 53 40 (T=46), V MR 03 57 30 (T=20); D=6300 km. USCGS: 7.6 N, 36.9 W; h=22 km. Mittelatlantische Schwelle. Mag.=5.4 (CGS).

4. eZ P 03 45 04. USCGS: 39.8 N, 40.3 E; h=33 km. Türkei. Mag.=5.0 (CGS).

4. eZ PKP 10 52 51, eZ 10 53 37, eV PP 10 53 45, eV SP 11 03 18, eV 11 04 12, eV LR 11 33 45 (T=48), V MR 11 38 40 (T=30); D=12700 km. USCGS: 4.0 S, 131.4 E; h=33 km. West-Neu-Guinea. Mag.=5.9 (CGS).

4. eZ 11 42 22.

5. eZ PKP 03 12 45, eV 03 12 50, eZ 03 13 00, eZ 03 13 16, eiV PP 03 14 52, eiV 03 29 35, eV LR 03 52 (T=40), V MR 04 00.5 (T=32), V MR 04 12.3 (T=20); D=14300 km. USCGS: 5.8 S, 154.0 E; h=69 km. Salomonen. Mag.=6.4 (CGS).

5. eV P 12 37 08 Dilat., eZ 12 37 14.8, eZ 12 37 35, eV S 12 45 04, eV 12 47 47, eV SS 12 49 04, eiV LR 12 53.9 (T=50), V MR 13 01 (T=20); D=6350 km. USCGS: 0.6 N, 25.9 W; h=33 km. Mittelatlantische Schwelle. Mag.=4.7 (?).

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5. eZ Pn 1 21 10 36.5, eZ 21 10 59.5, eE 21 12 01, eZ Pn 2 21 12 03, eZ 21 12 12, eZ 21 12 30, eZ 21 12 47, eiE Sg 1 21 13 14, eiE Sg 2 21 14 36; D=860 km. Zwei Beben im Abstand von rund 90 sec. BCIS: 44.0 N, 11.5 E. Etruskischer Apennin, Italien. Mag.=4.7 (Roma), 4.3 (CGS).

6. eZ P 19 01 40; Sprengnether-V ausgefallen. USCGS: 38.3 N, 26.6 W; h=33 km. Azoren. Mag.=4.9 (CGS).

7. eZ (P) 11 36 43, eiV LR 11 52 40 (T=54), V MR 11 53.5 (T=50). USCGS: 15.7 N, 53.3 E; h=33 km. Arabisches Meer. Mag.=4.6 (CGS).

7. iZ (P) 12 06 29.5 Kompr.

8. eZ 15 16 22.

8. iZ PKP 17 24 11.2 Dilat. USCGS: 20.4 S, 178.3 W; h=539 km. Gebiet der Fidschi-Inseln. Mag.=5.4 (CGS).

12. eZ PKP 13 02 29.0, eV PP 13 03 33, eZ 13 04 00, eZ 13 06 25, eV LR 13 41 50 (T=62), V MR 13 54 (T=25); D=13500 km. USCGS: 4.4 S, 14.0 E; h=120 km. Neu-Guinea. Mag.=6.3 (CGS).

12. iZ PKP 15 38 01.2 Dilat. USCGS: 17.4 S, 179.9 W; h=561 km. Gebiet der Fidschi-Inseln. Mag.=5.8 (CGS).

12. eiZ PKP 1 22 27 01.5 Kompr. (T=4.0, Az=1.0), iV 22 27 02.5 Dilat. (T=13), eiZ PKP 2 22 28 03, eV 22 30 20, eiZ PP 22 31 48, iZ 22 32 11, eiZ 22 32 28, eiV 22 45 32, eiV 22 53 20, eiV LR 23 24 (T=60), V MR 23 44 (T=24); D=18500 km. USCGS: 49.1 S, 164.2 E; h=33 km. Gebiet der Auckland-Inseln. Mag.=7.5 (Pas., Berk.), 6.9 (CGS).

13. eZ (P) 23 06 12, eZ 23 06 27.5.

14. eZ P 06 24 50, V MR 06 33.5 (T=15). USCGS: 59.3 N, 32.1 W; h=33 km. Nord-Atlantik. Mag.=4.6 (CGS).

14. eZ P 06 39 45, V MR 06 48.5 (T=15). USCGS: 59.4 N, 31.2 W; h=33 km. Nord-Atlantik. Mag.=4.5 (CGS).

14. eZ P 10 29 06.5, eZ 10 29 22. USCGS: 56.7 N, 157.4 W; h=61 km. Alaska. Mag.=5.7 (CGS).

14. eZ 11 08 07, eZ 11 08 11.5.

14. eZ (P) 13 42 14, eZ 13 43 13.

14. eZ P 14 26 18.

14. eiZ (P) 14 27 45.8 (T=3.0, Az=0.48), eV LR 14 32 16 (T=36), V MR 14 36 50 (T=16).

14. eZ (P) 15 29 43. USCGS: 28.0 N, 55.8 E; h=33 km. Süd-Iran. Mag. 4.8 (CGS).

14. eZ P 20 52 29. USCGS: 45.2 N, 150.3 E; h=33 km. Kurilen. Mag.=5.0 (CGS).

15. iZ PKP 13 03 48.0 Kompr., eZ 13 03 52.5. USCGS: 16.0 S, 172.9 W; h=33 km. Gebiet der Samoa-Inseln. Mag.=5.3 (CGS).

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15. iZ P 15 41 43.0 Kompr. (T=3.0, Az=0.95), iV 15 41 43.5 Dilat. (T=13), iZ (pP) 15 42 05, eiZ V PP 15 44 49, eiZ PPP 15 47 00, eE S 15 51 37, eiE 15 51 42, eiV 16 02 41 (T=50), V MR 16 17 (T=25), V MR 16 19.5 (T=25); D=8950 km. USCGS: 8.9 N, 93.1 E; h=37 km. Gebiet der Nikobaren. Mag.=6.7 (Kew), 6.4 (Esk.),6.2 (CGS).

16. eZ P 01 38 29.5, eZ 01 39 21.5; D=8800 km. USCGS: 10.9N, 93.1E; h=47km. Andamanen. Mag.=5.7 (CGS).

16. iZ P 02 01 28.5 Kompr. (T=2.0, Az=0.24), iZ 02 01 34.0, iZ 02 02 28.5, eV LR 02 28, V LR 02 36 (T=16); D=7500km. USCGS: 60.0N, 147.1 W; h=29km. Alaska . Mag.=5.7 (Esk.), 5.5 (CGS).

16. iZ PKP 21 06 13.5, eZ 21 06 23.3. USCGS: 16.1S, 176.5W; h=352km. Fidschi-Inseln. Mag.=5.1 (CGS).

16. iZ P 22 32 23.2 Dilat. (T=2.0, Az=0.29), eiZ 22 32 48; D=5600 km. USCGS: 22.9 N, 45.2 W; h=33km. Mittelatlantische Schwelle. Mag.=5.4 (CGS).

17. iE (Sg) 10 16 33.0; lokal.

17. iZ P 15 07 37.5 Kompr., iZ 15 07 44 (T=2.0, Az=0.29), eZ 15 07 53, eZ 15 08 51, eV S 15 12 24, eV LR 15 15 10 (T=28), V MR 15 17 30 (T=15); D=2950 km. BCIS: 45.0N, 32.0 W; Mittelatlantische Schwelle, nördlich der Azoren. Mag.= 6.0 (Strasb.), 5.6 (CGS).

18. (e)Z P 00 13 38.5, eZ 00 13 45, eZ 00 14 02, eZ 00 14 37, eV S 00 17 35, eV LR 00 21 06 (T=26), V MR 00 24 (T=14); D=2400 km. BCIS: 36.0 N, 27.8 E; Mittelmeer, südöstlich Rhodos. Mag.=5.2 (Pruhonice).

18. eE (Sg) 11 22 00.5 ;sehr schwach. Dourbes: ePg 11 21 18, eSG 11 21 24.

18. iE Sg 12 29 05.0. Sprengung oder Gebirgschlag ?

18. iZ P 13 18 34.0 Kompr. (T=2.0, Az=0.21), eiZ 13 19 26, eV S 13 23 11, eiV LR 13 25 36 (T=38), V MR 13 27.8 (T=18); D=3250 km. BCIS: 39.0 N, 31.0 W; Azoren. Mag.= 5.5 (CGS).

19. iZ P 05 20 49.5 Kompr. (T=2.0, Az=0.22), eZ 05 20 58.0, eV PP 05 22 08, eV LR 05 48 (T=56), V MR 05 56 (T=20); D=9400 km. USCGS: 15.3 N, 94.0 W; h=42 km. Küste von Oxaca, Mexiko. Mag.=6.0 (Pas.), 5.7 (Esk.), 5.3 (CGS).

19. eZ 09 40 07, eZ 09 40 38.

21. eZ PKP 04 41 57.2 Dilat., iZ 04 42 04.0 Dilat. (T=1.0, Az=0.35), eZ 04 42 13, iZ pPKP 04 44 26.7; h=ca.650 km. USCGS: 21.8 S, 179.6 W; h=609 km. Fidschi-Inseln. Mag.=5.4 (CGS).

22. eZ 16 31 14.2, eZ 16 31 21.

23. eZ (P) 01 46 15; schwache Spur. USCGS: 34.3 N, 32.5 E; h=61 km. Cypern. Mag.=4.7 (CGS).

23. iZ P 05 11 30.6 Kompr. (T=2.0, Az=0.29), eiZ 05 11 42, eV S 05 21 20, eV SS 05 26 46, eV SSS 05 30 03, eV LR 05 54 (T=19); D=8400 km. USCGS: 53.6 N, 163.9 W; h=29 km. Insel Unimak. Mag.=5.9 (Uppsala), 5.5 (CGS).

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23. eiE (Sg) 15 33 47.

25. eZ P 15 54 19, eV LR 16 20 12 (T=42), V MR 16 22 (T=34), D=8800 km. USCGS: 50.3 N, 176.6 W; h=30 km. Aleuten. Mag.= 5.5 (CGS).

25. iZ P 17 36 27.5 Kompr., iZ 17 36 38.5; D=8400 km. USCGS: 53.6 N, 163.9 W; h=33 km. Insel Unimak. Mag.=5.1 (CGS).

25. eZ PKP 23 47 37, eZ 23 47 50. USCGS: 30.7 S, 179.9 W; h=424 km. Kermadec-Inseln. Mag.=5.3 (CGS).

26. iZ P 00 55 45.5 Kompr. (T=2.0, Az=0.18), V MR 01 22 48 (T=14); D=6350 km. USCGS: 30.1 N, 80.7 E; h=50 km. Grenzgebiet Tibet-Indien. Mag.=6.2 (CGS).

26. iZ PKP 03 58 13.8 Kompr. eiZ 03 58 28.5.USCGS: 17.7 S, 173.3 W; h=33 km. Tonga-Inseln. Mag.=5.1 (CGS).

26. eE(Sg) 11 30 26, eiE 11 30 30.

26. eZ 19 35 39.

26. eZ 20 11 40.

26. eZ 20 57 56.

27. iZ P 16 02 14.8 Kompr. (T=1.5, Az=0.12), eiZ 16 02 20, eV LR 16 27.2, V MR 16 39 (T=15); D=8000 km. USCGS: 56.6 N, 152.0 W; h=27 km. Gebiet der Insel Kodiak. Mag.=5.4 (CGS).

28. eZ P 05 14 50 Kompr. (T=1.8, Az=0.13), eV S 02 22 50, eV LR 02 32 18 (T=41), MR 02 38 (T=19), MR 02 41.5 (T=17); D=6500 km. USCGS: 1.2 S, 24.1 W; h=37 km. Mittelatlantische Schwelle. Mag.=5.5 (CGS).

28. iZ P 07 00 01.0, eZ 07 00 15; D=5700 km. USCGS: 36.3 N, 71.6 E; h=118 km. Grenzgebiet Afganistan-USSR. Mag.=5.5 (CGS).

29. iZ PKP 14 20 03.0 Kompr., iZ 14 20 08.0, iZ 14 20 15.0 (T=1.9, Az=046), eiZ 14 20 40.0, eV PP 14 23 42, eV LR 15 21 20, V MR 15 22 (T=23). USCGS: 40.4 S, 174.4 W; h=29 km. Tonga-Inseln. Mag.=5.7 (CGS).

29. eV LR 22 44 30, V MR 22 45 (T=18). BCIS: 34.6 N, 23.1 E; Mittelmeer, südwestlich Kreta.

30. eZ P 04 44 18.5, iZ 04 44 23.2 Kompr., iZ 04 44 28 (T=1.5, Az=0.10), eiZ 04 44 37.5, eV S 04 48 04, eV LR 04 51 48, V MR 04 54 (T=19); D=2200 km. BCIS: 34,7 N, 23.2 E; h=ca. 50 km. Östliches Mittel= meer, südwestlich Kreta. Mag.=5.5 (Uppsala), 4.9 (Athen).

Bearbeiter: L. Ahorner

Seismischer Bericht der Erdbebenstation Bensberg bei Köln

1. Oktober bis 31. Dezember 1964

OKTOBER 1964

1. eZE (Sg) 15 07 00.5, eiZE 15 07 06; Sprengung.

2. iZ P 01 09 54.0 Kompr. (T=3.0, Az=0.31), eV LR 01 39 21, V MR 01 46 30 (T=18); D=7900 km. USCGS: 51.9 N, 142.9 E; h=33 km. Sachalin. Mag.=5.7 (CGS).

2. eZ PKP 13 19 52.5 Kompr., eiZ 13 20 03.5 (T=3.0, Az=0.32), eiZV PP 13 22 24 (T=3.0, Az=0.38), eiZ PKS 13 23 37.5 (T=2.0, Az=0.24), eV SSS 13 45 36 (T=35), eiV LR 14 04 30 (T=56), V MR 14 09 30 (T=32), V MR 14 24 (T=18); D=15000 km. USCGS: 10.5 S, 162.4 E; h=68 km. Gebiet der Salomonen. Mag.=6.0 (CGS).

2. iZ P 22 34 28.0 (T=1.5, Az=0.06). USCGS: 59.7 N, 144.5 W; h=22 km. Golf von Alaska. Mag.=5.2 (CGS).

3. eZ (P) 04 02 (06) in der Minutenlücke, eZ 04 02 32.3.

3. eZ Pg 11 02 57.8, eE Sg 11 03 03.0; sehr schwach. D=ca. 40 km.

3. (e)Z (P) 13 50 24, eiZ P 13 50 32.5 Kompr., eZ 13 50 37.4. USCGS: 61.4 N, 147.1 W; h=48 km. Süd-Alaska. Mag.=5.2 (CGS).

3. iZ PKP 17 21 19.0 Kompr. (T=1.0, Az=o.o7), eiZ 17 21 22, eiZ pPKP 17 23 39.5; h=ca.650 km. USCGS: 18.1 S, 178.8 W; h=673 km. Gebiet der Fidschi-Inseln. Mag.=4.4 (CGS).

3. iZ PKP 23 00 32.0 Dilat. (T=1.0, Az=0.06). USCGS: 20.2 S, 176.3 W; h=219 km. Fidschi-Inseln.

4. eiZ P 01 49 52.0 Dilat. (T=1.0, Az=0.07); D=1450 km. USCGS: 39.4 N, 15.4 E; h=261 km. Süd-Italien. Mag.=4.2 (CGS).

4. eZ (P) 07 10 21.5; schwache Spur. USCGS: 27.9 N, 69.2 E; h=14 km. Grenzgebiet Ost-Pakistan/Indien. Mag.= 4.8 (CGS).

4. eV LR 09 45 (T=26).

5. eZ P 03 47 11 Kompr. (T=1.0, Az=0.06), eV LR 04 14 30 (T=44), V MR 04 23 (T=28); D=7100 km. USCGS: 42.6 N, 142.6 E; h=38 km. Hokkaido, Japan. Mag.=5.0 (CGS).

5. iZ PKP 1 08 49 53.5 Kompr. (T=1.0, Az=0.16), iZ PKP 2 08 50 08.5 Kompr., eZ 08 50 15. USCGS: 16.7 S, 173.7 W; h=33 km. Tonga-Inseln. Mag.=5.1 (CGS).

5. eZ (PKP) 14 18 46.

5. iZ Pg 15 01 40.5 Kompr., iE Sg 15 01 41.0 (T=0.6, Ae=0.25); D=5 km. Sprengung oder schwacher Lokalstoß?

5. eE (Sg) 17 26 15.3, eE 17 26 28.5.