used in his work, his results should probably pertain to LiF and NaF, not to LiCl and NaCl, respectively . . .” This led to disagreement with experiment. Mr. H. Mimura, of Professor Inui’s group, now informs us that a complete recalculation of the M -center wave functions shows that correct values of the interionic distance (4.86 atomic units for LiCl and 5.32 atomic units for NaCl) were used in the actual calculations of Inui *et al.*, even though the wrong values were given in their article. Thus their original theoretical energy values are indeed correctly stated for LiCl and NaCl, respectively, and the A_1B_1 transitions agree quite well with the observed M -bands. Their predicted A_1B_2 transition corresponds to 297 $m\mu$ for NaCl, and it agrees tolerably well with our value of 345 $m\mu$; this agreement should serve as a further spur to a diligent search for this band in various crystals. Mr. Mimura has also carried through the LCAO calculations for LiF and NaF, even though he did not expect the LCAO method to work too well in these cases because of the large overlap. The A_1B_1 transition for NaF was computed as 537 $m\mu$, in good agreement with experiment. For LiF, however, the predicted A_1B_1 transition was 843 $m\mu$, in clear disagreement with experiment, while the point-ion lattice method gave good agreement even in this case. We are indebted to Professor Inui and Mr. Mimura for their communications.

We regret that two names were omitted from the acknowledgments. We are indebted to Dr. J. A. Krumhansl and Dr. L. C. Aamodt for stimulating discussions of our work.

Associated Production in Pion-Nucleon Collisions and Charge Independence, SAUL BARSHAY [Phys. Rev. **107**, 1454 (1957)]. The sign between the two terms in the coupling form should be positive. In the text, the references to the Σ^+ particle should read as references to the Σ^- particle. The remark in parentheses should read: “with about the same total cross section as the Σ^0 and about one-third that of the Λ^0 .”

The observation of parity nonconservation¹ in the decay of the hyperons produced in these collisions implies that the production reactions polarized these particles. The partial wave amplitudes given by the Born approximation calculation all have the same phase and hence give zero polarization. One must probably appeal to resonance denominators in the one-meson and higher terms in order to obtain complex amplitudes, and hence some polarization.

I would like to thank Dr. G. Feinberg for useful discussion.

¹ F. S. Crawford *et al.*, Phys. Rev. **108**, 1102 (1957).

Extension of the WKB Equation, CHARLES E. HECHT AND JOSEPH E. MAYER [Phys. Rev. **106**, 1156 (1957)]. On page 1160 under Eq. (42) the sentence “We shall now show that this is no more than a formal difficulty and . . .” should be changed to “We shall now show that the continuum of solutions for z_1 demonstrated by Ballinger and March does not in anyway invalidate our equations and . . .”

The original paper of Ballinger and March raised the point of the ambiguity of z_1 in connection with a different physical problem. Nothing in our paper bears on the connection with this other problem, and we apologize that our sentence might be so interpreted.

Relativistic Wave Equations for Spin 2 Particles with Unique Mass, O. BRULIN AND S. HJALMARS [Phys. Rev. **107**, 1730 (1957)]. *Addendum*.—There is another possible choice of the arbitrary constants, giving unique mass, namely $k_2 = -(5/3)k_1$. With this choice, the divergence of the vector and the trace of the tensor vanish separately.

Inherent Noise of Quantum-Mechanical Amplifiers, M. W. P. STRANDBERG [Phys. Rev. **105**, 617 (1957)]. Equation (9) on page 619 should read:

$$\text{Noise figure} = \frac{1}{t p_v(T_s)} \left[\frac{(g+1)^2}{g^2} \left\{ t p_v(T_s) + (1-t) p_v(T_i) \right. \right. \\ \left. \left. + \frac{Q_e}{Q_0} [p_v(T_c) - p_v(T_x)] \right. \right. \\ \left. \left. - \left(\frac{g-1}{g+1} \right) p_v(T_x) \right\} + g^{-2} p_v(T_0) \right]. \quad (9)$$

Magnetoresistance of Holes in Germanium and Silicon with Warped Energy Surfaces, J. G. MAVROIDES AND BENJAMIN LAX [Phys. Rev. **107**, 1530 (1957)]. In Eqs. (5) the numerical factors for σ_{xyxy} and σ_{xyzy} should read 21.3 instead of 0.213.

Computation of Noise Figure for Quantum-Mechanical Amplifiers, M. W. P. STRANDBERG [Phys. Rev. **107**, 1483 (1957)]. Equation (7) on page 1484 should read:

$$\text{Noise figure} = \frac{1}{t p_v(T_s)} \left[\frac{(g+1)^2}{g^2} \left\{ t p_v(T_s) + (1-t) p_v(T_i) \right. \right. \\ \left. \left. + \frac{Q_e}{Q_0} [p_v(T_c) - p_v(T_x)] \right. \right. \\ \left. \left. - \left(\frac{g-1}{g+1} \right) p_v(T_x) \right\} + g^{-2} p_v(T_0) \right]. \quad (7)$$

It follows that Eq. (8) and Eq. (9) should read:

$$\text{Noise figure} = \frac{1}{iT_s} \left\{ \frac{(g+1)^2}{g^2} \left[iT_s + (1-t)T_t + T_c \right. \right. \\ \left. \left. + \left(\frac{2g}{g+1} \right) |T_x| \right] + g^{-2}T_0 \right\}, \quad (8)$$

$$\text{Noise figure} = \frac{1}{iT_s} \left\{ \frac{(g+1)^2}{g^2} [(1-t)T_t + iT_s + 90^\circ] \right. \\ \left. + g^{-2}T_0 \right\}. \quad (9)$$

Vertex Corrections to the Pion K -Meson Interaction, S. F. TUAN [Phys. Rev. **107**, 300 (1957)]. The following errors were noted: Equation (3) should be amended to read as follows:

$$ig_1 \bar{\psi}(x_0) \gamma_5 \tau^i \varphi_\pi^i(x_0) \psi(x_0), \\ \bar{\psi}_{\Lambda^0}(x_0+x'') (ig_2 \gamma_5, g_3) \varphi_K(x_0+x'') \psi(x_0+x''), \\ \bar{\psi}(x_0-x') \varphi_K^\dagger(x_0-x') (g_3, ig_2 \gamma_5) \psi_{\Lambda^0}(x_0-x'). \quad (3)$$

This does not affect the text of the paper, except that (12) should read:

$$\varphi_K(x_0+x'') \tau^i \varphi_K^\dagger(x_0-x') \varphi_\pi^i(x_0) \Gamma(x', x''). \quad (12)$$

There are corresponding changes from $(g_3, g_2 \gamma_5)$ to $(g_3, ig_2 \gamma_5)$ and from $(g_2 \gamma_5, g_3)$ to $(ig_2 \gamma_5, g_3)$ in Fig. 2 (including the figure caption).

Author Index to Volumes 105, 106, 107, and 108

References with (L) are to Letters to the Editor. References with (E) are to Errata.

- Abashian, A., R. K. Adair, R. Cool, A. Erwin, J. Kopp, L. Leipuner, T. W. Morris, D. C. Rahm, R. R. Rau, A. M. Thorndike, W. L. Whittemore, and W. J. Willis.** Angular distributions of positrons from $\pi^+ \rightarrow \mu^+ + e^+$ decays observed in liquid hydrogen bubble chamber—**105**, 1927(L)
— (see Cronin, J. W.)—**107**, 1121
- Abraham, A. and W. G. Proctor.** Experiments on spin temperature—**106**, 160(L)
- Abrahám, Antonín.** (see Tauc, Jan)—**108**, 936
- Abraham, M., C. D. Jeffries, R. W. Kedzie, and J. C. Wallmann.** Paramagnetic resonance hfs of Np^{239} —**106**, 1357(L)
- , **R. W. Kedzie, and C. D. Jeffries.** γ -ray anisotropy of Co^{60} nuclei polarized by paramagnetic resonance saturation—**106**, 165(L)
- , **R. Kedzie, and C. D. Jeffries.** Spin and magnetic moment of Eu^{152} and Eu^{154} —**108**, 58
— (see Kedzie, R. W.)—**108**, 54
- Abrahams, Elihu.** Donor electron spin relaxation in Si—**107**, 491
- Adair, R. K.** (see Abashian, A.)—**105**, 1927(L)
- Adams, A., Jr.** (see Statz, H.)—**106**, 455
- Adams, E. N.** Definition of energy bands in presence of external force field—**107**, 698
— Vasileff's calculation of electronic self-energy in semiconductors—**107**, 671
— (see Goldberg, Colman)—**105**, 865
- Adawi, I.** One-dimensional treatment of effective mass in semiconductors—**105**, 789
— Penetration of electron beams into water below critical energy—**107**, 1476
- Adrian, Frank J.** Application of approximate F -center wave function. Magnetic hyperfine interactions in KCl —**106**, 1356(L)
— Electronic g -factor and structure of F -centers—**107**, 488
— (see Gourary, Barry S.)—**105**, 1180
- Agarwal, Bipin K. and M. Parker Givens.** Soft x-ray absorption by thin films of V—**108**, 658
— and **M. Parker Givens.** Soft x-ray absorption of thin films of Cr—**107**, 62
- Agnew, L. E., O. Chamberlain, D. V. Keller, R. Mermod, E. H. Rogers, H. M. Steiner, and C. Wiegand.** Experiments on antiprotons: cross sections of complex nuclei—**108**, 1545
- Agodi, A., M. Cini, and B. Vitale.** Corrections to dispersion relations—**107**, 630(L)
- Aharonov, Y.** (see Bohm, D.)—**108**, 1070
- Ahn, Se Hee and J. H. Roberts.** Energy and angular distributions of neutrons from interaction of 14.1-Mev neutrons with Zr—**108**, 110
- Ahnlund, Katarina.** Energy levels in F^{18} from $\text{O}^{17}(p, \alpha)\text{N}^{14}$ reaction—**106**, 124
- Ajzenberg-Selove, F., M. L. Bullock, and E. Almqvist.** Neutrons from He^3 bombardment of B^{10} —**108**, 1284
- Akhieser, A. I. and A. G. Sitenko.** Diffractive scattering of fast deuterons by nuclei—**106**, 1236
- Alburger, David E.** Radioactive decays of Au^{194} , Au^{196} , and Au^{198} —**108**, 812
— (see Kistner, O. C.)—**105**, 1339
- Alder, Kurt, Berthold Stech, and Aage Winther.** Parity nonconservation in β -decay—**107**, 728