

## BOOK REVIEW

**A STAR CALLED THE SUN**—G. Gamow, 35 sh. net, McMillan and Co., London.

This modernized version of Gamow's older book is welcome not only as another popular presentation of a vast mass of modern scientific facts relating to stars in general and the sun in particular, to which the author's own contribution is considerable, but also as an outstanding piece of literature which one expects from the facile pen of Gamow. Perusing the explanatory expositions of the many basic principles connected with the solar theories a layman may have once or twice the feeling of going astray in the maze. But Gamow pulls him right back at the right moment with not much of a jerk and sets him again on the road to the goal.

It is hardly necessary to go into the merits of a book coming from Gamow but drawbacks should be pointed out to prevent the layman from stumbling and looking askance. For example, an obvious oversight on page 58 in joining together lithium and fluorine and giving lithium hydrate as the progeny will tickle the chemical geneticists. Taking the next few lines about the manner of formation of water from hydrogen and oxygen in the context of the ionic mechanism of combination of lithium and fluorine given in the preceding lines, may lead to admonitive headshakes from the same quarters.

On page 125, a layman expected a little more in the way of an explanation of the paradox of  $\alpha$ -particles tunnelling in and out through the potential hill, instead of simply referring to Quantum Mechanics, as the solver of the paradox.

On page 151, 5th and 6th line the statement on ordinate and abscissa is likely to confuse a layman, with his usual knowledge of graphic representation.

It is indeed very satisfying that amongst the shining galaxy of astrophysicists of the world at least three of my countrymen are given prominent positions in Gamow's book. But I wish that on pages 147 and 178 the obvious typographic misspelling of the name of Prof. Meghnad Saha be corrected.

A. Bose

# LIGAND FIELD THEORY OF MAGNETIC SUSCEPTIBILITY AND ANISOTROPY IN $\text{CoSiF}_6 \cdot 6\text{H}_2\text{O}$

A. Bose, L. C. Jackson AND R. Rai

Vol. 39 No. 1, January, 1965

Page 11 eqn. (8) fourth line from the bottom—

instead of  $2(3a_3a_5 - \alpha\kappa_{\parallel}b_3b_5 + b_3b_5)$

read :  $\frac{2(3a_3a_5 - \alpha\kappa_{\parallel}b_3b_5 + b_3b_5)^2}{E_5 - E_3}$

Page 11 eqn. (8) fifth line from the bottom

instead of  $2(3 - \alpha\kappa_{\parallel})$

read ;  $2(3 - \alpha\kappa_{\parallel})^2$

Page 13 eqn. (11)

instead of  $g_{\parallel} = 2\{2\alpha\kappa_{\parallel}(a^2 - c^2) + 3a^2 + b^2 + c^2\}$

$g_{\perp} = 2\{-\sqrt{2}bca'\kappa_{\perp} + 2\sqrt{3}ac + 2b^2\}$

read :  $g_{\parallel} = 2\{\alpha\kappa_{\parallel}(a_1^2 - c_1^2) + 3a_1^2 + b_1^2 - c_1^2\}$

$g_{\perp} = 2\{-\sqrt{2}b_1c_1\alpha'\kappa_{\perp} + 2\sqrt{3}a_1c_1 + 2b_1^2\}$

# LIGAND FIELD THEORY OF SUSCEPTIBILITY AND ANISOTROPY IN TRIGONALLY DISTORTED $\text{Fe}^{2+}$ COMPLEXES

A. Bose AND R. Rai

Vol. 39, No. 4, April 1965

Page 179 eqn. (6)

instead of:  $E_7 = \frac{1}{2}[(\Delta - \alpha s_{\parallel}) + \{(\Delta + \alpha s_{\parallel}) + 8\alpha'^2 s_1^2\}^{\frac{1}{2}}]$

read  $E_7 = \frac{1}{2}[(\Delta - \alpha s_{\parallel}) + \{(\Delta + \alpha s_{\parallel})^2 + 8\alpha'^2 s_1^2\}^{\frac{1}{2}}]$

Page 182 eqn. (14) fourth and fifth lines from the bottom—

instead of :  $2\left(2a_2 - \frac{\alpha'\kappa_{\perp}}{\sqrt{2}}b_2\right)^2$

read :  $2\left(2a_2 + \frac{\alpha'\kappa_{\perp}}{\sqrt{2}}b_2\right)^2$

Page 183 eqn. (15) first line from the top—

instead of :  $A_{ij} = \sqrt{3}(b_0a_j - 2a_0b_j) - \frac{\alpha'\kappa_{\perp}}{2}(b_0b_j - 2a_0a_j) + \sqrt{2}b_0b_j$

read :  $A_{ij} = \sqrt{3}(b_0a_j - 2a_0a_j) - \frac{\alpha'\kappa_{\perp}}{2}(b_0b_j - 2a_0a_j) + \sqrt{2}b_0b_j$

## ERRATA

(An Analysis of the *J*-Phenomenon in Scattered X-rays, Part II)

March Issue 1965.

Page 110	line 16	read (1925b, 1926b, 1927)	instead of 1925b), 26b, 27)
"	111 " 33	read $\lambda + \delta\lambda_\varphi$	" " $\lambda + \delta\lambda_\rho$
"	114 " 16	delete 'to' after signifies	
	last line	read verified	instead of varified
"	117 line 9	read $I_x$	" " $I_x$
	" 11	read $I_x =$	" " $I_x =$
"	118 " 5		
	(denominator)	read $\omega$	" " $\omega'$
	line 17	read $\Delta_\varphi$	" " $\Delta_\rho$
"	119 lines 10 and 11	read (	" " ((
	line 11	insert an asteris $k'$ after]	
"	121 " 13	read } instead of (	
		and delete) near $+(A_2 - A'_2)y$	
"	122 " 20	read $C_\varphi$	instead of $C\phi$
	" 21	read $\delta\lambda_\varphi$	" " $\delta\lambda_\xi$
"	124 " 11	delete 'short'	
"	125 " 21	read $\phi$ as a subscript to ( $S'/P'$ )	
	" 26	read wax	instead of was
"	126 foot note	read $x_\theta$	" " $x_\phi$
"	127 " 12	read (1926b)	" " (1962b)
	" 21	delete {and}	
	" 22		
	(denominator)	read $(S'/P')_\varphi$	$(S'P')_\varphi$
	line 28	read $(S'/P')_{30^\circ}$	$(S'P')_{30^\circ}$
		read $(S/P)_{32^\circ}$	$(S^\circ/P)_{30^\circ}$
"	128 " 1	read equality	quality $^\circ$ .
	" 37	delete asterik*	after (30)
Pages 129 &			
	130 " 20	read $x_\theta$	instead of $x_\xi$
Page 130	" 19	insert small at the end	
Page 130	foot note	read .015	0.15
"	131 line 25	raise 'ratio falls' to the beginning of the previous line.	
"	132 " 11	read $A_1'$	instead of $A'y$

# LIGAND FIELD THEORY OF MAGNETIC SUSCEPTIBILITY AND ANISOTROPY IN $\text{CoSiF}_6 \cdot 6\text{H}_2\text{O}$

A. Bose, L. C. Jackson AND R. Rai

Vol. 39 No. 1, January, 1965

Page 11 eqn. (8) fourth line from the bottom—

instead of  $2(3a_3a_5 - \alpha\kappa_{||}b_3b_5 + b_3b_5)$

read :  $\frac{2}{E_5 - E_3} (3a_3a_5 - \alpha\kappa_{||}b_3b_5 + b_3b_5)^2$

Page 11 eqn. (8) fifth line from the bottom

instead of  $2(3 - \alpha\kappa_{||})$

read ;  $2(3 - \alpha\kappa_{||})^2$

Page 13 eqn. (11)

instead of :  $g_{||} = 2\{2\alpha\kappa_{||}(a^2 - c^2) + 3a^2 + b^2 + c^2\}$

$g_{\perp} = 2\{-\sqrt{2}bca'\kappa_{\perp} + 2\sqrt{3}ac + 2b^2\}$

read :  $g_{||} = 2\{\alpha\kappa_{||}(a_1^2 - c_1^2) + 3a_1^2 + b_1^2 - c_1^2\}$

$g_{\perp} = 2\{-\sqrt{2}b_1c_1\alpha'\kappa_{\perp} + 2\sqrt{3}a_1c_1 + 2b_1^2\}$

# LIGAND FIELD THEORY OF SUSCEPTIBILITY AND ANISOTROPY IN TRIGONALLY DISTORTED

## $\text{Fe}^{2+}$ COMPLEXES

A. Bose AND R. Rai

Vol. 39, No. 4, April 1965

Page 179 eqn. (6)

instead of:  $E_7 = \frac{1}{2} [(\Delta - \alpha s_{||}) + \{(\Delta + \alpha s_{||}) + 8\alpha'^2 s_{\perp}^2\}^{\frac{1}{2}}]$

read  $E_7 = \frac{1}{2} [(\Delta - \alpha s_{||}) + \{(\Delta + \alpha s_{||})^2 + 8\alpha'^2 s_{\perp}^2\}^{\frac{1}{2}}]$

Page 182 eqn. (14) fourth and fifth lines from the bottom—

instead of :  $2\left(2a_2 - \frac{\alpha'\kappa_{\perp}}{\sqrt{2}}b_2\right)^2$

read :  $2\left(2a_2 + \frac{\alpha'\kappa_{\perp}}{\sqrt{2}}b_2\right)^2$

Page 183 eqn. (15) first line from the top—

instead of :  $A_{sj} = \sqrt{3}(b_0a_j - 2a_0b_j) - \frac{\alpha'\kappa_{\perp}}{2}(b_0b_j - 2a_0a_j) + \sqrt{2}b_0b_j$

read :  $A_{sj} = \sqrt{3}(b_0a_j - 2a_0a_j) - \frac{\alpha'\kappa_{\perp}}{2}(b_0b_j - 2a_0a_j) + \sqrt{2}b_0c_j$

## ERRATA

(An Analysis of the J-Phenomenon in Scattered X-rays, Part II)

March Issue 1965.

Page 110	line 16	read (1925b, 1926b, 1927)	instead of 1925b), 26b, 27)
" 111	" 33	read $\lambda + \delta\lambda\varphi$	" " $\lambda + \delta\lambda\rho$
" 114	" 16	delete 'to' after signifies	
	last line	read verified	instead of varified
" 117	line 9	read $I_x$	" " $I_x$
	" 11	read $I_x =$	" " $I_x =$
" 118	" 5		
	(denominator)	read $\omega$	" " $\omega'$
	line 17	read $\Delta\varphi$	" " $\Delta\rho$
" 119	lines 10 and 11	read (	" " ((
	line 11	insert an asterisk $k^*$ after]	
" 121	" 13	read } instead of (	
		and delete } near $+ (A_2 - A'_2)y$	
" 122	" 20	read $C_\varphi$	instead of $C\phi$
	" 21	read $\delta\lambda\varphi$	" " $\delta\lambda\xi$
" 124	" 11	delete 'short'	
" 125	" 21	read $\phi$ as a subscript to $(S'/P')$	
	" 26	read wax	instead of was
" 126	foot note	read $x_e$	" " $\pi_e$
" 127	" 12	read (1926b)	" " (1962b)
	" 21	delete {and}	
	" 22		
	(denominator)	read $(S'/P')\varphi$	" " $(S'/P')\varphi$
	line 28	read $(S'/P')_{30^\circ}$	" " $(S'/P')_{30^\circ}$
		read $(S/P)_{32^\circ}$	" " $(S^\circ/P)_{30^\circ}$
" 128	" 1	read equality	" " quality $^\circ$ .
	" 37	delete asterik*	after (30)
Pages 129 &			
	130 " 20	read $x_0$	instead of $x_e$
Page 130	" 19	insert small at the end	
Page 130	foot note	read .015	" " 0.15
" 131	line 25	raise 'ratio falls' to the	beginning of the previous line.
" 132	" 11	read $A_1'$	instead of $A'y$

Brazzaville Star called Sun. O conteÃºdo estÃ¡ sendo processado. Volte mais tarde, por favor. Star called Sun Near a star called sun. It was there that my mom came undone. Sounds of a summer parade. 90.5 in the shade. She drifted off on the Fourth of July, A holiday look in her eyes. Said goodbye to a lifetime of pain. She died in a midsummer rain. She said, "There's one million stars For every little grain of sand down there." She floated up, like a rocket in space. The misery gone from her face. Flying to the comets and stars. Out past the canyons on Mars. She saw the future and "A Star Called the Sun" is a song by the Soviet rock band «Kino» from the album with the same title released in 1988. Posts About The Star Called Sun. There are no stories available. About.

**"A Star Called the Sun"** is a song by the Soviet rock band «Kino» from [the album with the same title](#) released in 1988.

[Viktor Tsoi](#) wrote the lyrics and music. He also sang all the songs in the album. The duration of the song in the album 3:45.