

THE

Vol

A

THE

Mathematics Student

*A Quarterly Dedicated to the Service of Students and Teachers
of Mathematics in India.*

past
most
14th
a leap

VOL. XI

MARCH & JUNE 1943

Nos. 1 & 2

T
show
of the
T
and th
Toget

Edited by

A. NARASINGA RAO, M.A., L.T., D.Sc., F.A.Sc.

Annamalai University, Annamalainagar, South India.

P
begin
Take
18 of
the sa
and s
letters
we pa
Febru
corres
M. M
could
of a l

With the co-operation of

N. DURAIRAJAN, M.A., B.E.

B. RAMAMURTI, M.A., D.Sc.

V. GANAPATI IYER, M.A., D.Sc.

S. SIVASANKARANARAYANA PILLAI, D.Sc.

A. A. KRISHNASWAMI AYYANGAR, M.A., L.T. H. SUBRAMANI IYER, M.A., Ph.D.

and others.

Printed by REV. FR. A. SUSAI REGIS,
Supt., St. Joseph's Industrial School Press, Trichinopoly

AND

Published by S. MAHADEVAN, M.A.,
Hon. Asst. Secretary, Presidency College, Madras.

1944

CONTENTS

	PAGE
Abdus Salam: A problem of Ramanujan	50—51
Dhamija G. L.: A well-known geometrical fallacy ...	47—49
The Editor: The perpetual calendar problem and its solutions	7—9
Gupta, Hansraj: On residue chains	54—55
Hussain S. T.: A method of extracting the n^{th} root ...	12—15
Kesava Menon P.: Some inequalities involving the Γ and ζ functions	10—12
—————: Some integral inequalities	36—38
—————: A note on four point system of conics ...	44
Konnulli A. O.: Orthocentre of a cyclic polygon ...	28—30
Krishnamurty R. Reform of the Hindu Calendar ...	51—53
Krishnaswamy Iyengar A. A.: Popular lecture: Random lines and digits	93—98
Levi F. W.: Presidential address: Why Mathematics?	
Mandan, Sahib Ram: Feuerbach's theorem	54
Minakshisundaram S.: A new summation process ...	21—27
Puri, Amritsagar: On some problems in the theory of equations	15—20
Ramanathan K. G.: Congruence properties of $\sigma(n)$, the sum of the divisors of n	33—35
—————: Some trigonometrical identities ...	39—42
Subramania Iyer H.: A design for a perpetual calendar ...	1—5
Subramania Iyer K.: A perpetual calendar	6
Sulaiman Umar: Omar Khayyam's Calendar	45—47
Suryanarayana B.: A theorem on divisibility	42—43
Venkataraman C. S.: A note on Question 1780	49
Venkataraman M. and Kesava Menon P.: On B. R. Venkataraman's chain of theorems in circle Geometry ...	31—32
Report on the 13th Conference of the Indian Mathematical Society	65—118
Announcements and news:	60—62, 115—116
Solutions to Questions:	63
Questions for solution:	64
Gleanings: 20, 27, 55, 59, 92, 102.	
Reviews:	
F. W. Levi <i>Algebra</i>	56—57
B. R. Kulkarni: <i>The Lagna System of the Vedanga Jyantisha or an Obsolete Indo-Iranian Time Measure...</i>	58
G. S. Mahajani: <i>An introduction to pure solid geometry...</i>	56
M. V. Jambunathan: <i>Elementary Trigonometry, Elementary Analytical Geometry, Elementary Calculus.</i>	114—115
A. C. Banerji: <i>Recent advances in Galactic dynamics.</i>	113—114