SCIENTIFIC AMERICAN

Established 1845

CONTENTS FOR AUGUST, 1954

VOL. 191, NO. 2

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LINE	AR PROGRAMMING by William W. Coo	oper and Abraham Charn <mark>e</mark> s
-	The interlocking variables that enter into a ma- be considered simultaneously, and the infinit within the given limitations can thereby be re-	y of possible solutions
ARTI	FICIAL INTERNAL ORGANS	by Peter F. Salisbury
	The blood of a human patient can now be rero that reproduce several of the simpler functions Artificial kidneys and heart-lung machines are	of the internal organs.
THE	HISTORY OF A PERUVIAN VALLEY	by James A. Ford
	Apartment houses and a slave-labor camp are from which a group of investigators have recor- the various settlements that followed one and	structed the cultures of
THE	ORIGIN OF LIFE	by George Wald
	Since processes catalyzed by enzymes can also organic groupings may have formed spontane oceanic broth. A lack of oxygen would have shi	ously in the primordial
A TO	POGRAPHIC MICROSCOPE	by Samuel Tolansky
0	A third dimension can be added to surfaces see if a straight line is placed across a pencil of light. The profile of the object can then be deduced.	nt coming from the side.
TSUN	AMIS O . O. T. U. J M	by Joseph Bernsteir
	These gigantic ocean waves have produced vas	t catastrophes on shores
	along their paths. Though the earthquakes that predicted, the tsunamis' toll can be forestal	led by early warning. '60
SHRE		by Oliver P. Pearson
	These creatures consume energy at a faster rate of the three have a remarkable propensity for eluding can set and, once caught, astonish their cap	the best traps a collector
THE	BOUNDARY LAYER	by Joseph J. Cornish III
	The performance of an airplane is closely affer in a layer that is about an inch thick. If the gro trolled, the lifting power of the wings can be	wth of this laver is con-
EPARTMENT	ΓS	

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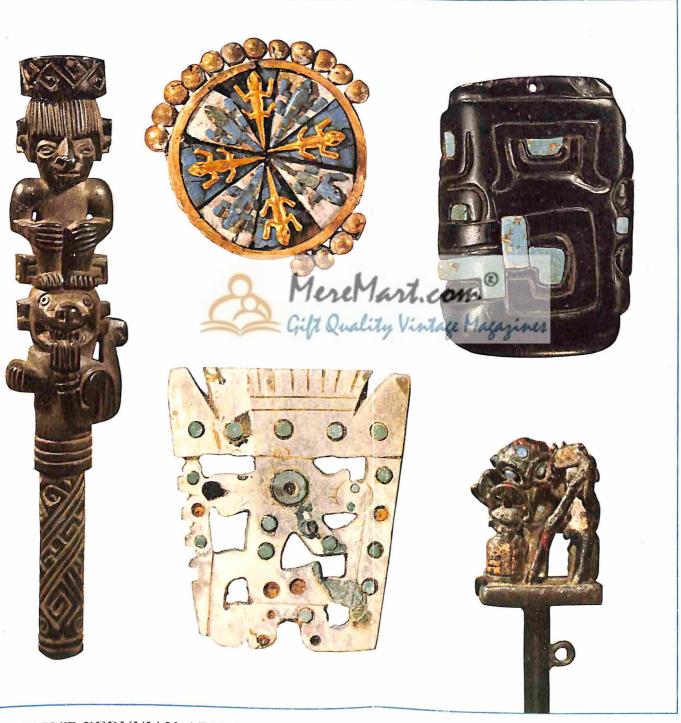
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August 1954