

It's easy a genuine B can be roll and an ord

Your worl cause the I famous for material fo

FREE We plete with s for the askin Ave., Cincin



MECHANIX ILLUSTRATED

SPECIAL FEATURES

Let's Make TL .

Our leohan		44.00
Our Icebox Rear Adn Ted Mack's Memento Museum You'll Live Longer Than You Think World's Warkingt U. I	ikal Dist	100
Vanilla Memento Museum	mai Kichard E. Byrd	55
Tou II Live Longer Than You The	· · · · Frank Lynn	62
World's Wackiest Hobbies	· L · · Lester David	The state of the s
You'll Live Longer Than You Think World's Wackiest Hobbies Don't Get Seasick Bus Runs Without An Engine Give-It-The-Works Wive	· · · Iry laib	64
Rue D ton .	reinerman	70
Circuit mt	Tienman	76
Chip-Chen File Works Wizard	· · · · W. P. Jaspert	82
Pullop Fishermen	· · · · H. W. Kellish	102
TON	· Raymond P. C.	
Chip-Chop Fishermen	. camp	106
Mac turn	The state of the s	
MI Tool Tests The Brand N		
The MG-TF	by Nash	San Maria
McCahill Tests The Brand-New Bar MI Tests The MG-TF REGULAR FEATURES		92
REGULAR FEATURES		
MIC		90
Mi-Stoppers		
New In Science		1.5.51
He Found A W		
Fire Fyst Peter Mass		61
MI-Stoppers New In Science He Found A Way: Peter MacGreg Picture-Naries Money Maries	or's	68
Fire Extinguisher Picture-Naries Money Making Idea: He'll Tan Your Hide Prize Gadget: Automatic Mouse		08
Money Making Idea: He'll Tan Your Hide Prize Gadget: Automatic Mouse Pin-Up Car New For The Home Mi Tests For Sportsmen	Alfred to	
Prize C Tan Your U.	riet	75
Pinte Gadget: Auto Mide	Company of the state of the sta	79
Pin-Up Car New For The Home MI Tests For Sportsmen SHORT FEATURE	i · · · · John w	
New For The H	Irap W. Aberle	86
MI Tests For C.		00
portsmen		. 89
SHOPT -		90
FEATURE	Cul	. 91
Mobile Print	Gil Paus	91
Pin-Up Car New For The Home MI Tests For Sportsmen SHORT FEATURES Mobile Printing Plant	Gil Paus	91 † 110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant	· Gil Paus	110
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	110
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	110
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	110
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	110
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	110
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	110
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	110
Mobile Printing Plant	Gil Paus	· 60 · 74 · 78 · 80 · 81 · 84 · 100 · 101 · 109 · 112 · 113
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	· 60 · 74 · 78 · 80 · 81 · 84 · 100 · 101 · 109 · 112 · 113 · 114
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry History In Coal Balls Insect Sculptor	Gil Paus	· 60 · 74 · 78 · 80 · 81 · 84 · 100 · 101 · 109 · 112 · 113 · 114
Mobile Printing Plant Portraits in Postage Birdie—The Weed-Eating Bug Gar With 4-Wheel Engines Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry History in Coal Balls Insect Sculptor DEPARTMENTS Editor's Workbench Invention Clinic Dear Editor	Gil Paus	· 60 · 74 · 78 · 80 · 81 · 84 · 100 · 101 · 109 · 112 · 113 · 114
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry Florida's Violin Mechanic Insect Sculptor	Gil Paus	· 60 · 74 · 78 · 80 · 81 · 84 · 100 · 101 · 109 · 112 · 113 · 114
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry History In Coal Balls Insect Sculptor DEPARTMENTS Editor's Workbench Invention Clinic Dear Editor	(Continued on	91 110 60 74 78 80 81 100 101 109 112 113 114
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry History In Coal Balls Insect Sculptor DEPARTMENTS Editor's Workbench Invention Clinic Dear Editor	(Continued on	91 110 60 74 78 80 81 100 101 109 112 113 114
Mobile Printing Plant Portraits In Postage Birdie—The Weed-Eating Bug Kurtis Kraft for Kids Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry History In Coal Balls Insect Sculptor DEPARTMENTS Editor's Workbench Invention Clinic Dear Editor	(Continued on	91 110 60 74 78 80 81 100 101 109 112 113 114
Mobile Printing Plant Portraits in Postage Birdie—The Weed-Eating Bug Gar With 4-Wheel Engines Cover: Army's Flying Jeep Grotesqueries Ryan's Flying Raspberry History in Coal Balls Insect Sculptor DEPARTMENTS Editor's Workbench Invention Clinic Dear Editor	Gil Paus	91 110 60 74 78 80 81 100 101 109 112 113 114



W. H. FAWCETT, JR. president ROGER FAWCETT general manager ROSCOE K. FAWCETT circulation director GORDON FAWCETT secretary-treasurer RALPH DAIGH editorial director LEE WILSON production directal AL ALLARD art director

WILLIAM L. PARKER editor

feature staff GIL PAUST feature & outdoors 6 J. ROBERT CONNOR picture edits. HARVEY B. JANES science editor

ROBERT BRIGHTMAN crafts & hobbles JOHN L. SCHERER associate

RAY GILL associate editor

art staff

AL HEIGHINGTON art editor FRED COSPITO art associate ROBERT WALK art associate

HELEN E. SLOWIN production editor LARRY EISINGER advisory editor

VOLUME 50 NUMBER 4

COPYRIGHT 1954 BY FAWCETT PUBLICATION TITLE REGISTERED U. S. PATENT OFFICE

Permission hereby granted to quote from this later of the magazine on radio or television, provided in other television, provided in the radio from the solution of the magazine on radio or television, provided in the relation of the radio of the radio

MECHANIX ILLUSTRATED is published.
Publications, Inc., Fawcest Building,
Vich, Conn., Editorial offices of
N. Y. Advertising manager.
Conn., Editorial offices,
N. Y. Advertising manager.
Conn., Conn., Conn., Conn., Conn.,
Conn., Conn., Conn., Conn., Conn.,
Conn., Conn., Conn., Conn., Conn., Conn.,
Conn., Conn tence and correspondence of correct seasons and correspondence of correct on MECHANIX ILLUSTRATED and Place, Greenview of the Correct St. 40 per year in the year of the Cornedo. All other countries to result of the Cornel of t MEMBER AUDIT BUREAU OF CIRCULA

START YOUR FUTURE TODAY!

Get the facts on NATIONAL SCHOOLS' famous Shop-Method Home Training!



RADIO-TELEVISION & ELECTRONICS

A BRIGHT FUTURE awaits you in booming Radio-TV industry. More than 100 million radio sets, 20 million TV sets, now in use! Backed by National Schools' famous Shop-Method Training from America's Radio-TV Capital you can command good wages in the opportunity-career of your

choice - engineer, service-repair, inspector, designer - in radar, electronics - or your own profitable business! Make that bright future come true ... start now!

WE GIVE YOU COMPLETE PARTS, INCLUDING HIGH-MU TUBE

Yours to keep. You learn by doing actually

generators. R-F oscillators, and this big Super-Het receiver! WE GIVE YOU THIS STANDARD PROFESSIONAL MULTITESTER!

Locates trouble, adjusts delicate circuits-a valuable profit-earner for you

when you become a qualified Radio-TV technician!

TOO CAN EARN TOP MONEY IN THESE BOOMING INDUSTRIES!

E SOUPPENI

LET NATIONAL SCHOOLS of Los Angeles,

California, a Resident Technical Trade

School for nearly half a century, train

you at home for a high-paying future in

Earn While You Learn!

Make extra money repairing friends' and neighbors' cars, trucks, radios, TV sets, appliances, Every step fully explained and illustrated in National Schools' famous "Shoptested" lessons. Latest equipment and techniques covered. You master all phases—

start part-time earnings after a few weeks!

YOU RECEIVE FRIENDLY GUIDANCE, both as a

student and graduate. Our special Welfare Department is always at your service, to help you with technical and personal prob-

lems. You receive full benefit of our wide industry contacts and experience.

DRAFT AGE? National Schools training helps

you get the service branch, and higher pay grade you want.

APPROVED FOR G. I. TRAINING

these big-future industries.

& ALLIED MECHANICS

EXPANDING AUTO-DIESEL INDUSTRY needs more and more trained men! 55 million vehicles now operating, 6 million more this year—plus 150,000 new Diesel units! Garages, car dealers, transit lines, defense plants, manufacturers, are desperate for

the kind of trained specialists produced by National Schools' "Shop-Method Home Training." Start now on the road to lifetime security. Mail the coupon today!

WE GIVE YOU THE TOOLS OF YOUR TRADE! This fully-equipped, all-metal Tool Kit is yours to keep. We

also give you a complete set of precision

drawing

instruments, and Slide Rule. These professional tools help you learn, then earn!

NATIONAL

Technical Trade Training Since 1905 LOS ANGELES 37, CALIFORNIA

In Canada: 811 W. Hastings St., Vancouver, B.C.

Both Home Study and Resident Courses Offered



BOOK & BOOK & LESSON!

MAIL COUPON NOW START YOUR HIGH-PAYING FUTURE TODAY!

GET FACTS FASTEST! MAIL TO OFFICE NEAREST YOU! (mail in envelope or paste on postal card)

National Schools, Dept. A-44 4000 S. Figueroa Street or 323 West Polk Street Los Angeles 37, Calif. Please rush Free Book & Sample Lesson checked below. No

obligation, no salesman will call.

"My Future in Radio-Television & Electronics"

and the section of the	Automotive-Diesel & Allied Mechanics"	
NAME	a nitted mechanics"	
ADDRESS	BIRTHDAY 19	
ADDRESS		
Comme		

E P NEOD	
CITY	- A-
Check here if interested in Resident School Training at lo	
ETERANS: Give Date of Dist	s Angolos

When Answering Advertisements, Please Mention MECHANIX ILLUSTRATED

MECHANIX ILLUSTRATED





WORLD'S WACKIEST HOBBIES

HOW TO TAKE PICTURES
IN TOTAL DARKNESS

BUILD A COFFEE-TABLE RAILROAD