Fuel Injection-Now or Never?

FEBRUARY 1964

FIFTY CENTS

60¢ in Cana

ROAD TESTS:

BUICK ELECTRA 225

R-4 Studebaker Super Daytona 110-bhp CORVAIR MONZA

Oldsmobile's Sky-Rocket

DAYTONA

Big League
for Stock Cars



Testing the NASCAR 410-bhp Ford Fastback



EDITORIAL DIRECTOR: JOHN R. BOND

Editor: Dennis Shattuck Managing Editor: Dave Black Associate Editor: Gene Booth Editorial Associate: Jean Krumpe Editorial Assistant: Barbara Wine

Art Director: Hal Crippen
Art Associates: Bill Motta, Barbara Boyter,
Ramona Bolhous

Contributors: Alice Bixler, Russell Brockbank, Allen Hunt, Roger Huntington, Jerry Klein, Eric Nielssen, Morry Meriam, Howard Shoemaker

> Business Manager: Elaine Bond Circulation Manager: Ray Powers

Advertising Director: Ben LaMaster 366 Madison Avenue, New York 17, N.Y. Eastern Advertising Manager: Ernest Kissmann Western Advertising Manager: Richard Bartkus Midwest Advertising Manager: Frank Willard Advertising Assistants: Shirley Meyers, Elizabeth Daniel



CAR LIFE is published monthly by Bond Publishing Company, 834 Production Place, Newport Beach, California. Second class postage paid at Newport Beach, California, and at additional mailing offices. Copyright 1964 by Bond Publishing Company.

SUBSCRIPTIONS. U.S., possessions, and Canada: \$5 one year, \$9 two years and \$12 three years. Single copy 50 cents (60 cents in Canada). All other countries: \$6 one year, \$11 two years, \$15 three years. Foreign countries and Canada: remit by money order or draft on a bank in the U.S., payable in U.S. funds.

ADVERTISING. See SRDS. Main office: 834 Production Place, Newport Beach, California; telephone MIdway 6-3981. Eastern advertising office: 366 Madison Avenue, New York 17, N. Y.; telephone YUkon 6-1735. Midwest advertising office: 2102 Penobscot Bldg., Detroit 26, Mich.; telephone WOodward 3-1775.

CHANGE OF ADDRESS: At least four weeks notice is required for a change of address. Please furnish both old and new addresses, with an address imprint from a recent issue. Send to:

CAR LIFE, 834 Production Place, Newport Beach, California 92663.

EDITORIAL CONTRIBUTIONS are welcomed by CAR LIFE but cannot be considered unless guaranteed exclusive. Photographs should be released for publication by source. Not responsible for return of unsolicited manuscripts, photos or drawings unless accompanied by a self-addressed stamped envelope.

February 1964 CONTENTS Volume 11, Number 1

NASCAR fastback 30

the good old days 65

all new outside, all Lark inside 51

a car that commands respect now a top-quality compact 68

ROAD TESTS

1964 STUDEBAKER R-4 DAYTONA

"Why don't they make 'em like they used to?"

1964 CORVAIR MONZA 4-SPEED

1964 BUICK ELECTRA 225

1963 FORD

FEATURES		
FUEL INJECTION—Now or NEVER?	two new important developments	12
THE NATIVES WERE IMPRESSED	cartoons by Russell Brockbank	17
OLDSMOBILE'S SKY-ROCKET	a V-8 in a Cessna Skylane	20
SPECTACLE OF SPEED	Daytona's Speed Weeks	23
HORSES FOR NASCAR	165 mph for a "stock" car	26
HARD LUCK FOR A HARD DRIVER	NASCAR driver-Marvin Panch	34
COLORFUL DAYTONA	action on the high banks	38
BUILD-IT-YOURSELF STUDEBAKER	watch those door jambs!	46

CLASSIC

1932 CADILLAC	V-12	the class of t	the Thirties	40

TECHNICAL

DESIGNING THE MODERN ENGINE	Part V: the lubrication system	54
CHRYSLER'S NEW SMALL V-8	optional power for Dart and Valiant	58
TECHNICAL CORRESPONDENCE	"it's a good car, but"	72

DEPARTMENTS

Letters	catch as catch can	2
OUTLOOK	today's rumors, tomorrow's headlines	10
CALENDAR	what's going on where	10
MOTOR CITY MEMO	Studebaker and Indianapolis	64
WINDOW SHOPPING	car goodies	74
New & Used	classified advertising	75
REARVIEW MIRROR	the Oldsmobile Pirate	76

COVER

DAYTONA ACTION BY ALICE BIXLER

