

THE CONDOR

Volume 63

January-February, 1961

Number 1



JOURNAL OF THE COOPER ORNITHOLOGICAL SOCIETY

THE CONDOR

JOURNAL OF THE COOPER ORNITHOLOGICAL SOCIETY

Published bi-monthly at Berkeley, California. Entered as second-class matter at the postoffice at Berkeley, California, May 15, 1925, under Act of Congress of March 3, 1879. Issued from the office of THE CONDOR, Museum of Vertebrate Zoology, Berkeley 4, California.

MANUSCRIPTS

Send manuscripts for publication to the Editor, ALDEN H. MILLER, Museum of Vertebrate Zoology, Berkeley 4, California, or to one of the Associate Editors, JOHN DAVIS or FRANK A. PITELKA, same address. Refer to suggestions on preparation of manuscripts for THE CONDOR on the back cover of recent issues of the journal.

SUBSCRIPTION RATES

Subscription price to non-members, five dollars per volume, payable in advance. Single copies, one dollar each.

MEMBERSHIP DUES

Regular members, four dollars per year in the United States, of which three dollars are for a year's subscription to The Condor; four dollars and twenty-five cents per year in all other countries in the International Postal Union. Sustaining members, five dollars per year.

The life membership fee is one hundred dollars. No additional dues are required. The money is invested and the interest only is used for Society publications. Life members receive THE CONDOR without additional charge. Concerning memberships, address C. V. DUFF, 2911 Antelo View Drive, Los Angeles 24, California.

Send dues, subscriptions and notices of change of address to JACK C. VON BLOEKER, JR., Los Angeles City College, 855 N. Vermont Ave., Los Angeles 29, California.

Send orders for back numbers of THE CONDOR and the PACIFIC COAST AVIFAUNA series to THOMAS R. HOWELL, Department of Zoology, University of California, Los Angeles 24, California.

Issued January 19, 1961

CONTENTS

	PAGE
Hybrid Hummingbirds, a painting by Gene M. Christman.....	opposite 3
A Review of North American Hybrid Hummingbirds.....	<i>Richard C. Banks and Ned K. Johnson</i> 3
Analysis of Sympatry of Great-tailed and Boat-tailed Grackles.....	<i>Robert K. Selander and Donald R. Giller</i> 29
Life History of the Cactus Wren. Part IV: Development of Nestlings.....	<i>Anders H. Anderson and Anne Anderson</i> 87
 FROM FIELD AND STUDY	
Weight Variations of Captive Gambel Quail in the Breeding Season.....	<i>Gordon W. Gullion and Ardelle M. Gullion</i> 95
Savannah Sparrow Breeding at Big Bear Lake in the San Bernardino Mountains of California	<i>Eugene A. Cardiff</i> 97
Inland Occurrences of the Red Phalarope in Oregon.....	<i>George Alderson</i> 97
Two New Birds Recorded for Arizona.....	<i>Seymour H. Levy</i> 98
NOTES AND NEWS.....	99
 PUBLICATIONS REVIEWED	
Hummingbirds, by Crawford H. Greenewalt.....	<i>Alden H. Miller</i> 100



HYBRID HUMMINGBIRDS

BLACK-CHINNED x BROAD-TAILED

CALLIOPE x COSTA

ANNA x BLACK-CHINNED

CALLIOPE x ANNA

ANNA x ALLEN

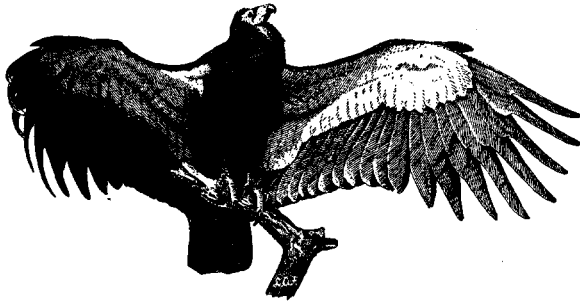
Life size

From a painting by Gene M. Christman

THE CONDOR

JOURNAL OF THE COOPER ORNITHOLOGICAL SOCIETY

VOLUME 63



Edited by
ALDEN H. MILLER

JOHN DAVIS
FRANK A. PITELKA
Associate Editors

JANE R. DURHAM and GENE M. CHRISTMAN
Editorial Assistants

Editorial Advisory Committee

WILLIAM R. DAWSON
THOMAS R. HOWELL

ROBERT A. McCABE
ROBERT A. NORRIS

ROBERT K. SELANDER
ROBERT W. STORER

Business Managers

C. V. DUFF

ED N. HARRISON

THOMAS R. HOWELL

J. C. VON BLOEKER, JR.

BERKELEY, CALIFORNIA

1961

