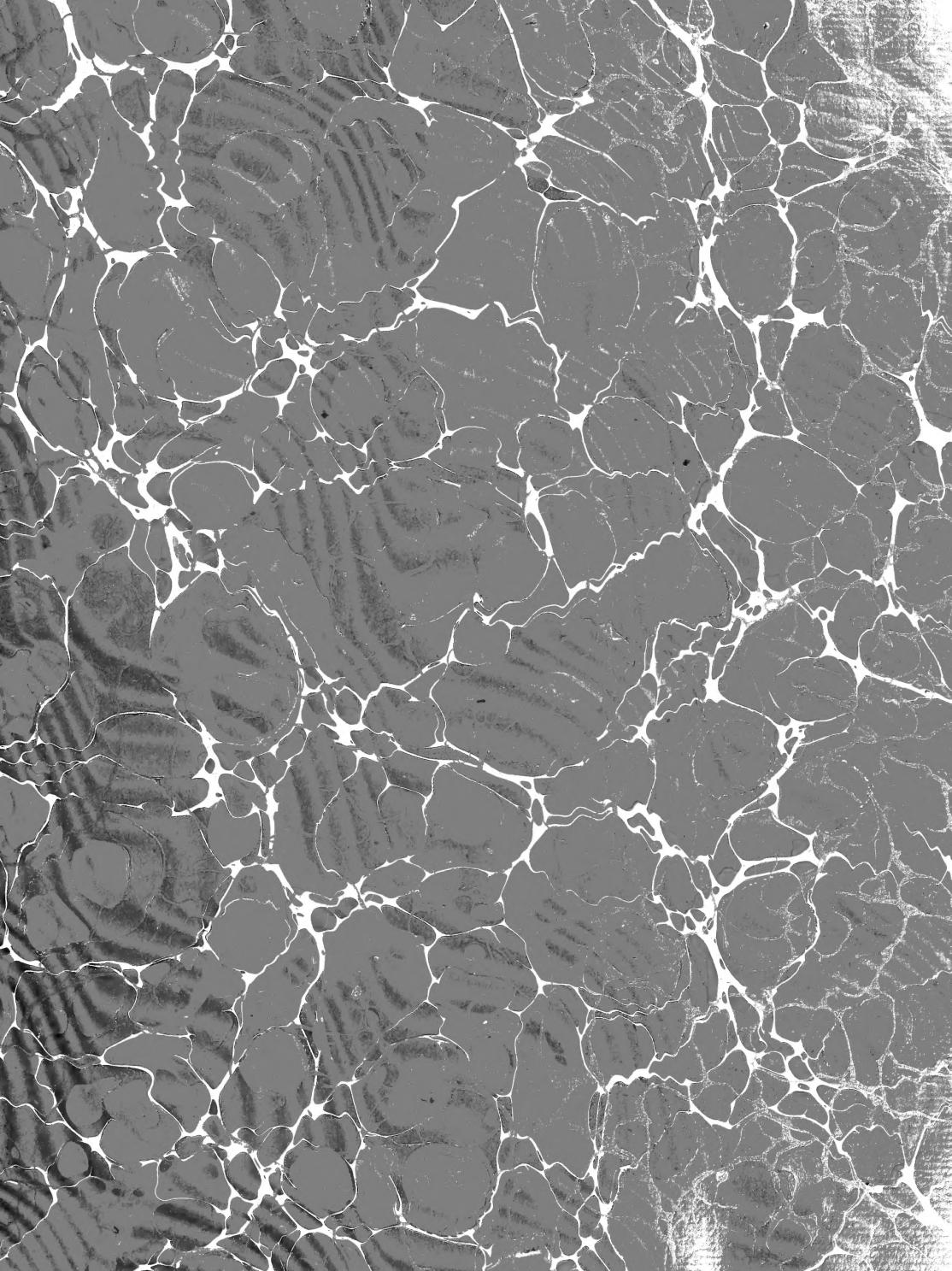


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THE BIRDS OF NORTH AMERICA;

THE DESCRIPTIONS OF SPECIES BASED CHIEFLY ON THE COLLECTIONS

IN THE

MUSEUM OF THE SMITHSONIAN INSTITUTION.

BY

SPENCER F. BAIRD,

ASSISTANT SECRETARY OF THE SMITHSONIAN INSTITUTION.

WITH THE CO-OPERATION OF

JOHN CASSIN,

OF THE ACADEMY OF NATURAL SCIENCES OF PHILADELPHIA.

AND

GEORGE N. LAWRENCE,

OF THE LYCEUM OF NATURAL HISTORY OF NEW YORK

With an Atlas of One Hundred Plates.

ATLAS.

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P R E F A C E .

THE present Atlas has been prepared for the two-fold purpose of completing the series of illustrations of the Birds of North America, and to give accurate and easily recognized figures of the numerous hitherto unknown birds described in the first volume. It contains figures of all birds inhabiting the United States which have not been given by former American authors, in connexion with whose works it continues and concludes, as far as possible, to the present time the pictorial representation of all North American birds. In the accompanying volume of text will be found descriptions of all the known birds of the United States; their arrangement in the genera and families of modern zoologists; their geographical distribution; and, it is believed, everything necessary to a complete and thorough knowledge of this favorite department of the natural history of our country.

In 1843 the distinguished ornithologist, Mr. Audubon, brought to a completion the second and last edition of his great work on the Birds of North America, in which are given faithful and accurate representations of nearly five hundred species. This elaborate work included all the birds known to that celebrated author as inhabiting the continent of America north of Mexico.

In 1853 Mr. Cassin commenced the publication of a work entitled "Illustrations of the Birds of California, Texas, Oregon, and British and Russian America: intended to contain descriptions and figures of all North American birds not given by former American authors, and a general synopsis of North American Ornithology." Philadelphia: J. B. Lippincott & Co. The first series, containing plates of fifty species not given by Audubon, was completed in 1855, and has not been extended, having been superseded by the present work.

Many of the birds of the United States, not included in the works of the preceding or other American authors, having been collected by the several parties for the Survey of a Railroad Route to the Pacific Ocean, and of the Boundary between the United States and Mexico, as mentioned in the preface to volume I of this work, they were figured in the reports of these expeditions published by Congress under the direction of the War and Interior Departments. All of these birds appear in the present volume, but, in almost every instance, redrawn from better and more characteristic specimens. Of the one hun-

dred plates, however, of this volume, about one-half appear for the first time, having been prepared expressly for the present work. Many of the latter represent birds of Eastern North America.

As already stated, the work of Mr. Audubon contains figures of somewhat less than five hundred species of North American birds; that of Mr. Cassin contains fifty species. In the present volume will be found one hundred and forty-eight species, nearly all of which are now represented for the first time in any work on American ornithology. The three works together include illustrations of very nearly all the known birds of North America. A few species only are wanting, chiefly of Russian America and other remote localities, of which no specimens are preserved in American museums. All are carefully described, however, in the preceding volume.

The original specimens of a large majority of the species figured in the present volume are in the museum of the Smithsonian Institution, and have been described and figured by permission of the Secretary. The collections of the Academy of Natural Sciences of Philadelphia, and of the Boston Natural History Society, have also furnished valuable and interesting types for the same purpose, kindly placed at our disposal.



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○ *Syrnium occidentale*, XANTUS.—Proceedings Phila. Acad. Nat. Sciences, 1859, 193.

SP. CHAR.—A little smaller than *S. nebulosum*; general color liver brown, the feathers barred everywhere, even on the flanks Axillars and under wing and tail coverts banded transversely with white, the bands towards and on the head are contracted into rounded spots.

General appearance that of *S. nebulosum*. Prevailing color light liver brown, each short feather with two transverse bars of white, the basal one tinged with rufous yellow; the subterminal pure white and not generally extending to the edges of the feathers. These bars have a marginal suffusion of brown darker than the ground color. On the top of the head and neck the subterminal bar exhibits a tendency to contraction into rounded or cordate spots, and in other places to a median

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interruption along the shaft. On the scapulars, axillars, and other elongated feathers there are several white bars. The facial disk is grayish, obscurely barred with brown; the posterior margin of the ear is uniform liver brown, then becoming banded with white. The longest quills and tail feathers show about 7 to 9 clouded transverse light bars, one of these at the end of the feather; the bars on the inner and outer margins are quite white, especially towards the base of the feather, elsewhere they are mottled yellowish brown or brownish yellow; the legs are dirty yellowish, with obscure and rather transverse mottlings of brown. The bill is greenish yellow; the iris gamboge; the claws horn color; the toes are thickly feathered to within two scutellæ of the base of the claws. The fourth quill is longest, the fifth and then the third a little shorter, the second between the sixth and seventh; the first rather shorter than the eighth.

Length of male 18 inches; extent 40; wing 13; tail 8½; tarsus about 2.

This species, with a general resemblance to the *Syrnium nebulosum*, is of rather smaller size, and readily distinguished by the entire absence of any of the longitudinal brown stripes so conspicuous on the belly, flanks, and lower tail coverts of the latter species; these regions being barred transversely with white and brown. The white bars on the feathers are much less continuous and regular, and on the neck and head are restricted to rounded spots instead of forming regular zones. The under wing coverts are banded transversely instead of being uniform yellowish white. The bill is less pure yellow.

A single specimen (original number 1858) was collected at Fort Tejon, March 6, 1858

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◦ *Helminthophaga virginiae*, BAIRD.—Similar in general appearance to *H. ruficapilla*. Top and sides of head, back, and wings light ashy plumbeous, with an almost imperceptible wash of olivaceous green; quills and tail feathers brown, edged with pure ashy plumbeous; the latter indistinctly and narrowly margined with whitish internally and at the end. Rump and upper and lower tail coverts bright yellow (with a greenish tint above) in vivid contrast to the rest of the body. Crown with a concealed patch of orange brown. Rest of under parts brownish white with indications of yellow along the median region, (perhaps entirely yellow when mature.) Inside of wings and axillars whitish. A white ring around the eye. Length 5 inches; extent 7½; wing 2½. No. 10719. Fort Burgwyn, N. M. Collected by Dr. W. W. Anderson, U. S. A.

† *Ibis guarauna*, SHAW.—This species differs from *Ibis ordii*, in longer legs, and an entire absence of chestnut red, which is replaced by bronzed green. No specimens in the Smithsonian collection show any gloss on the head and neck.

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DCI



Bowen & C° Lith & Col Philada

BUTEO ELEGANS—*(Adult)*



BUTEO ELEGANS-(Young)

Bowen & C° Lith & Col Philada.



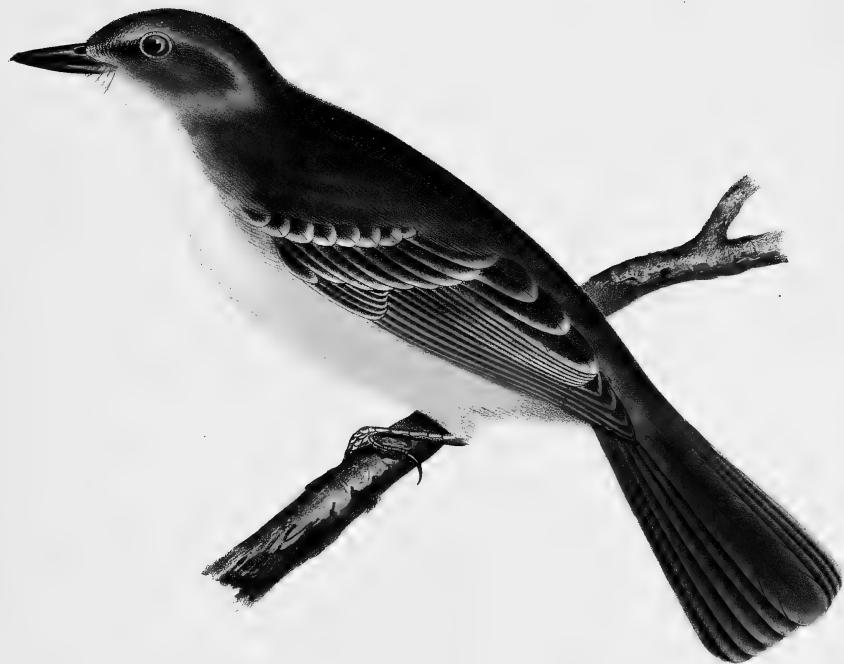
Fig. 2.



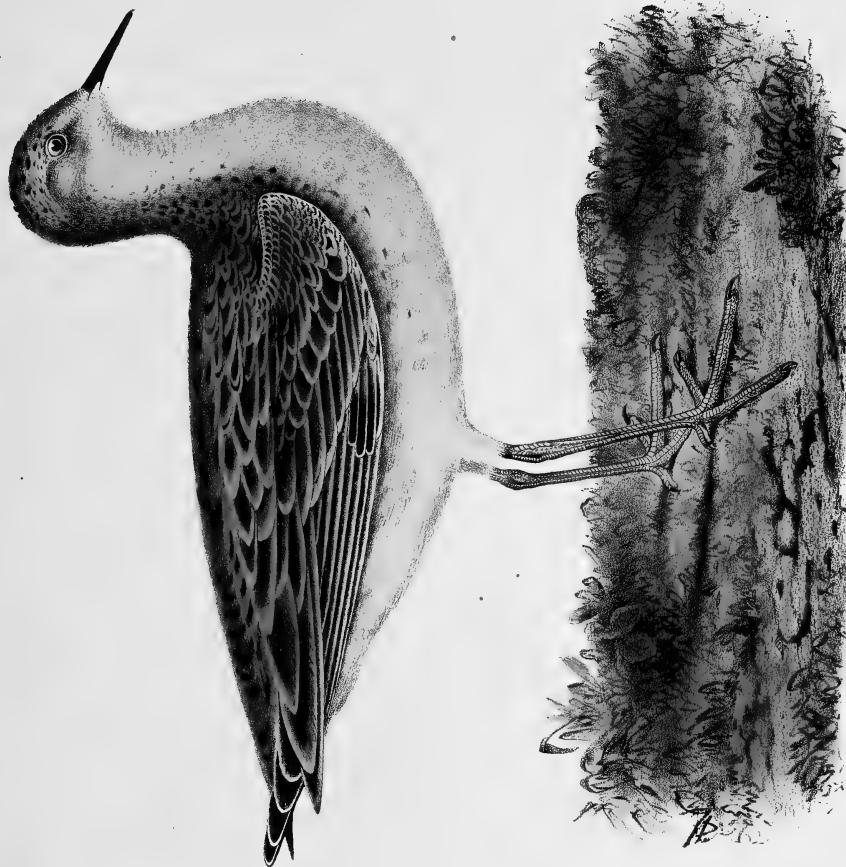
Fig. 1

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1. PASSERCULUS ALAUDINUS. 2. PEUCAEA CASSINII.

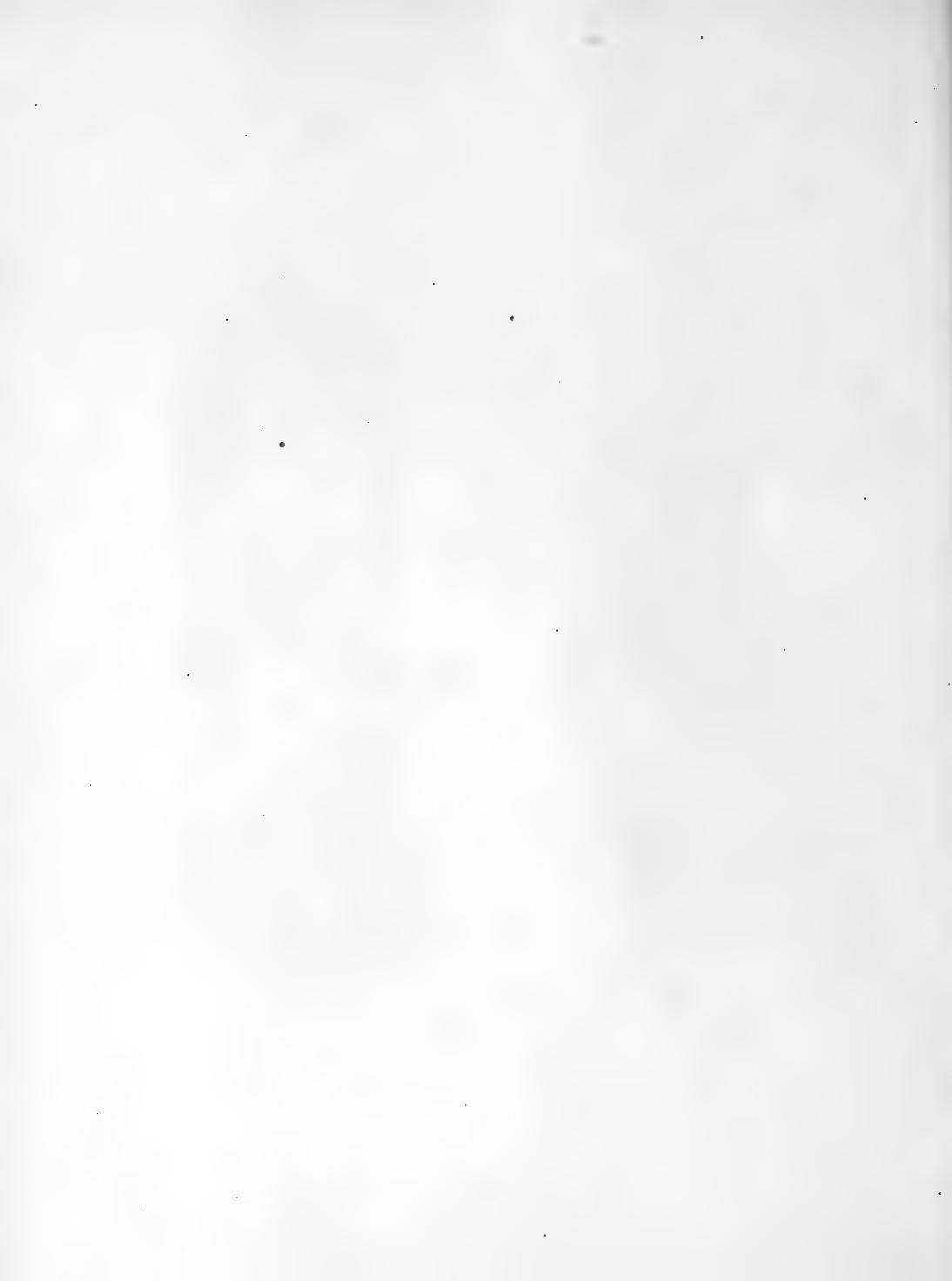




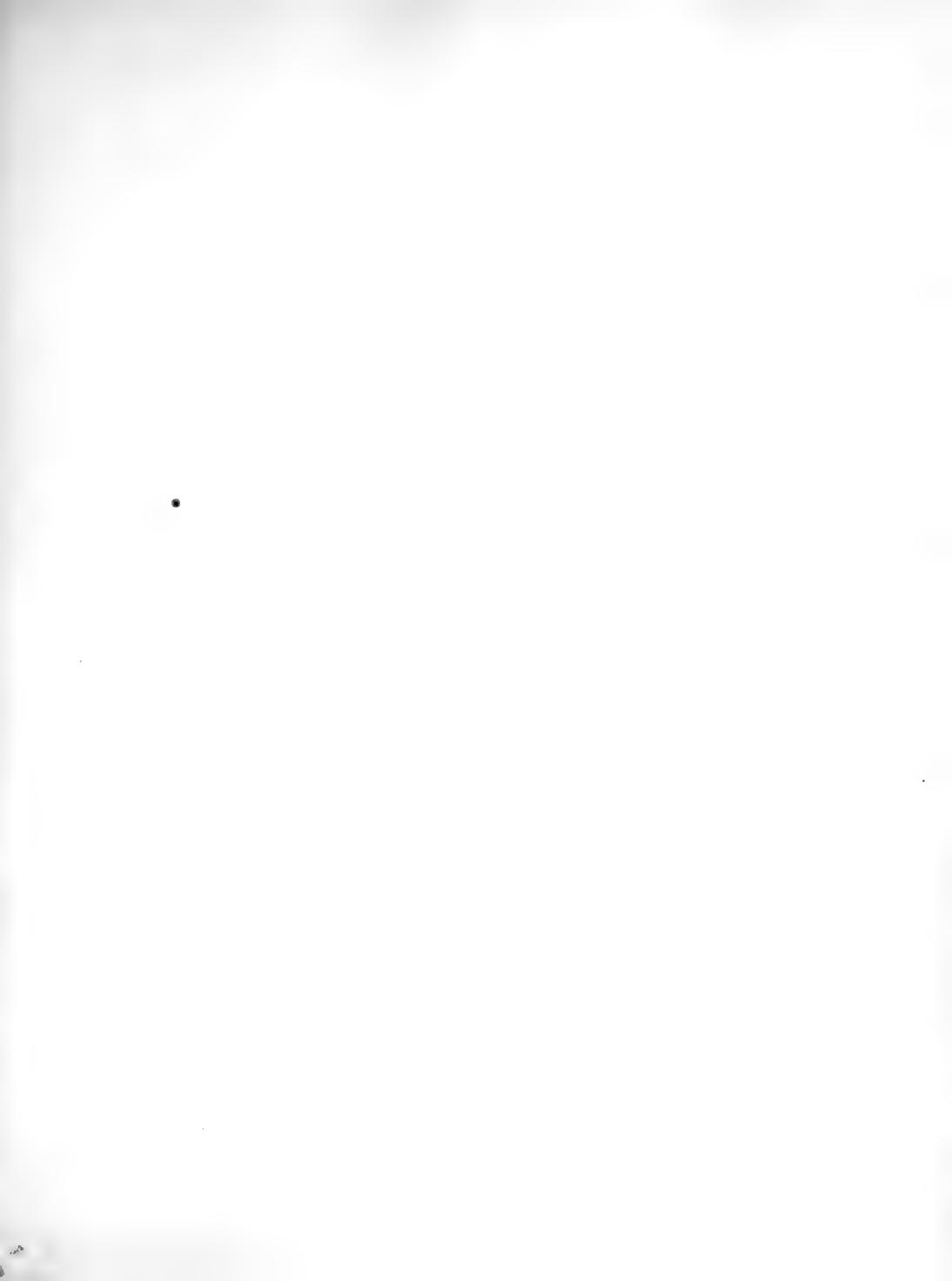


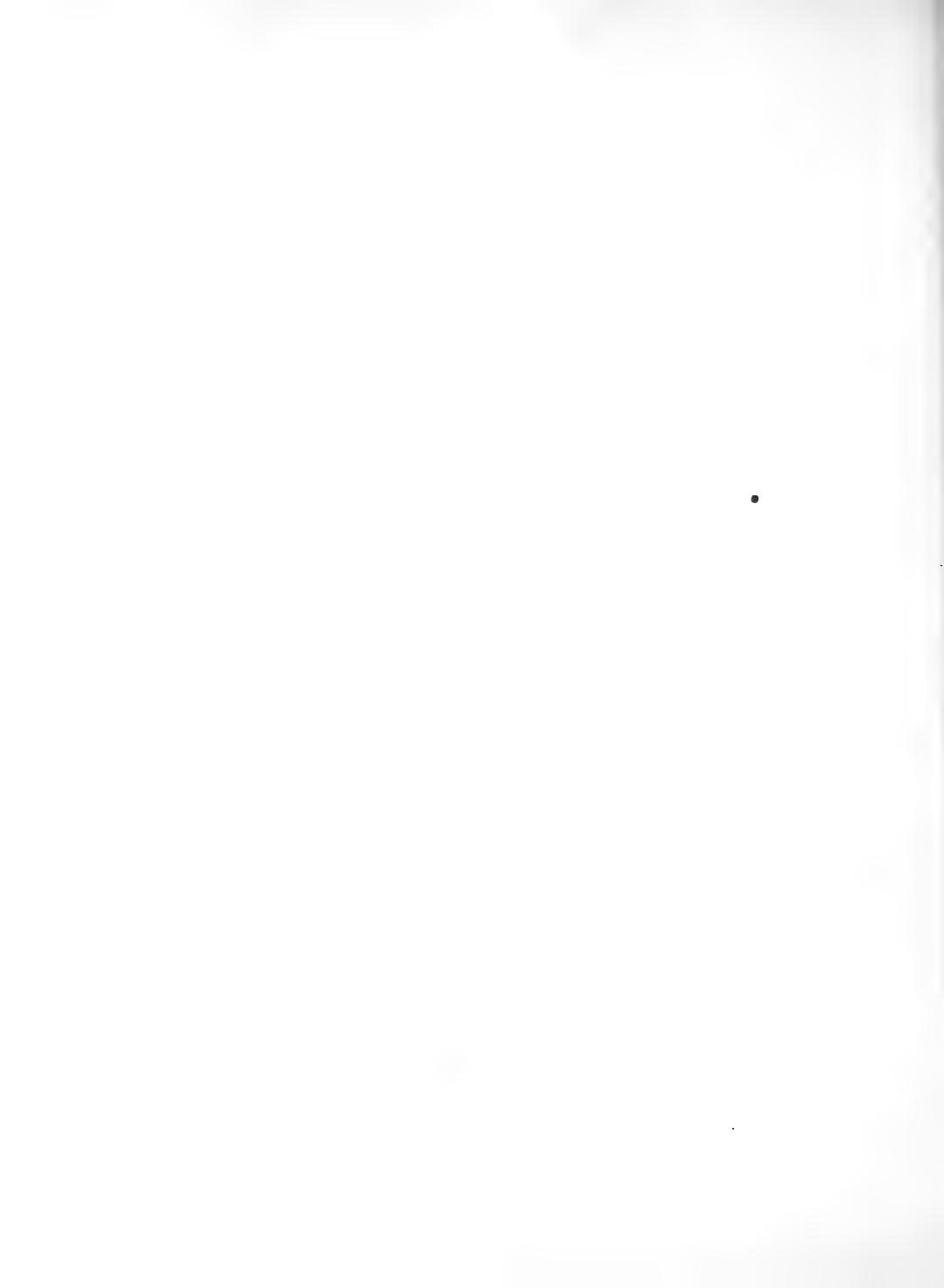
TRYNGITES RUFESCENS

Bowen & C^o Lith. & Col. Philada

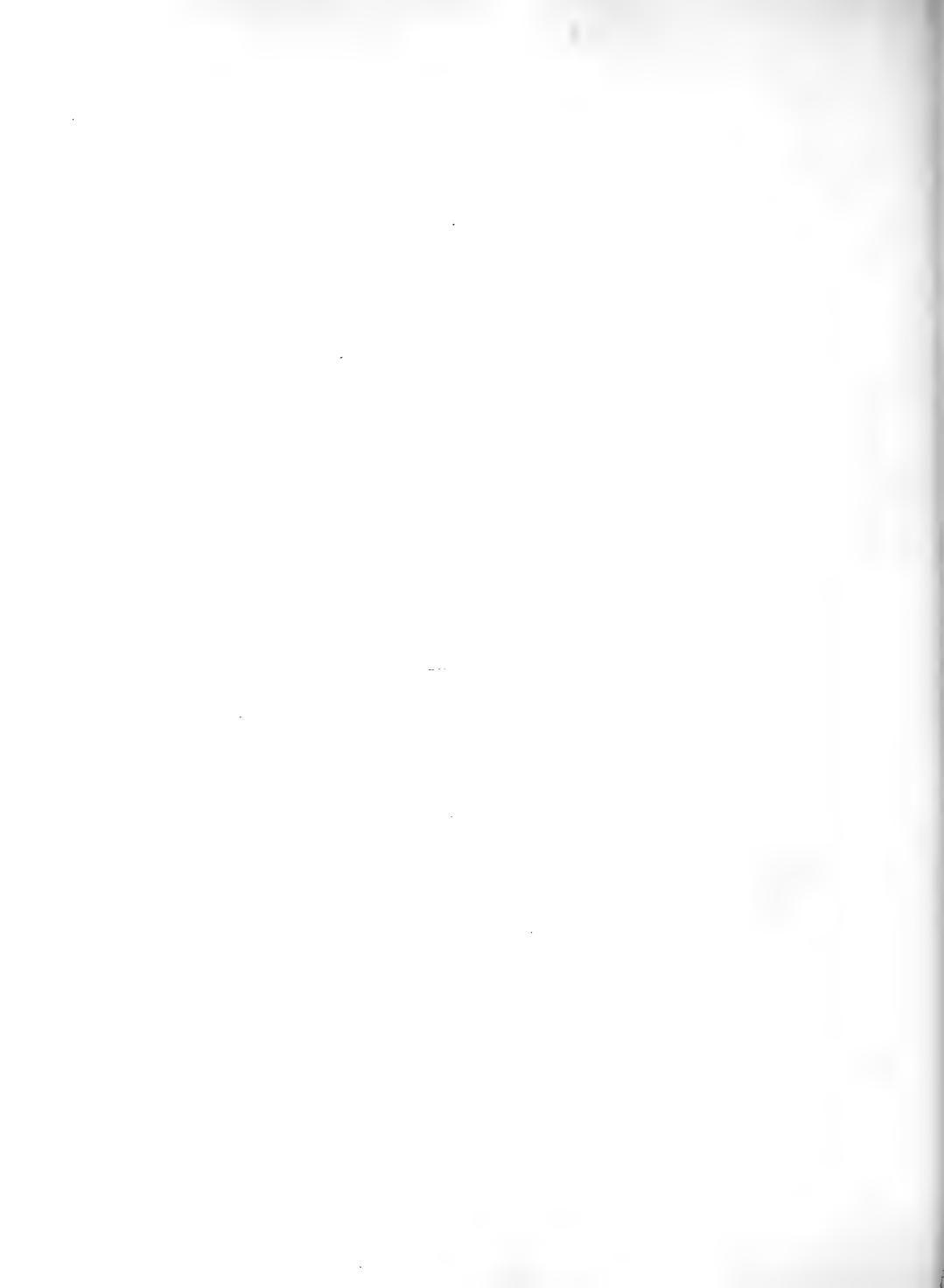




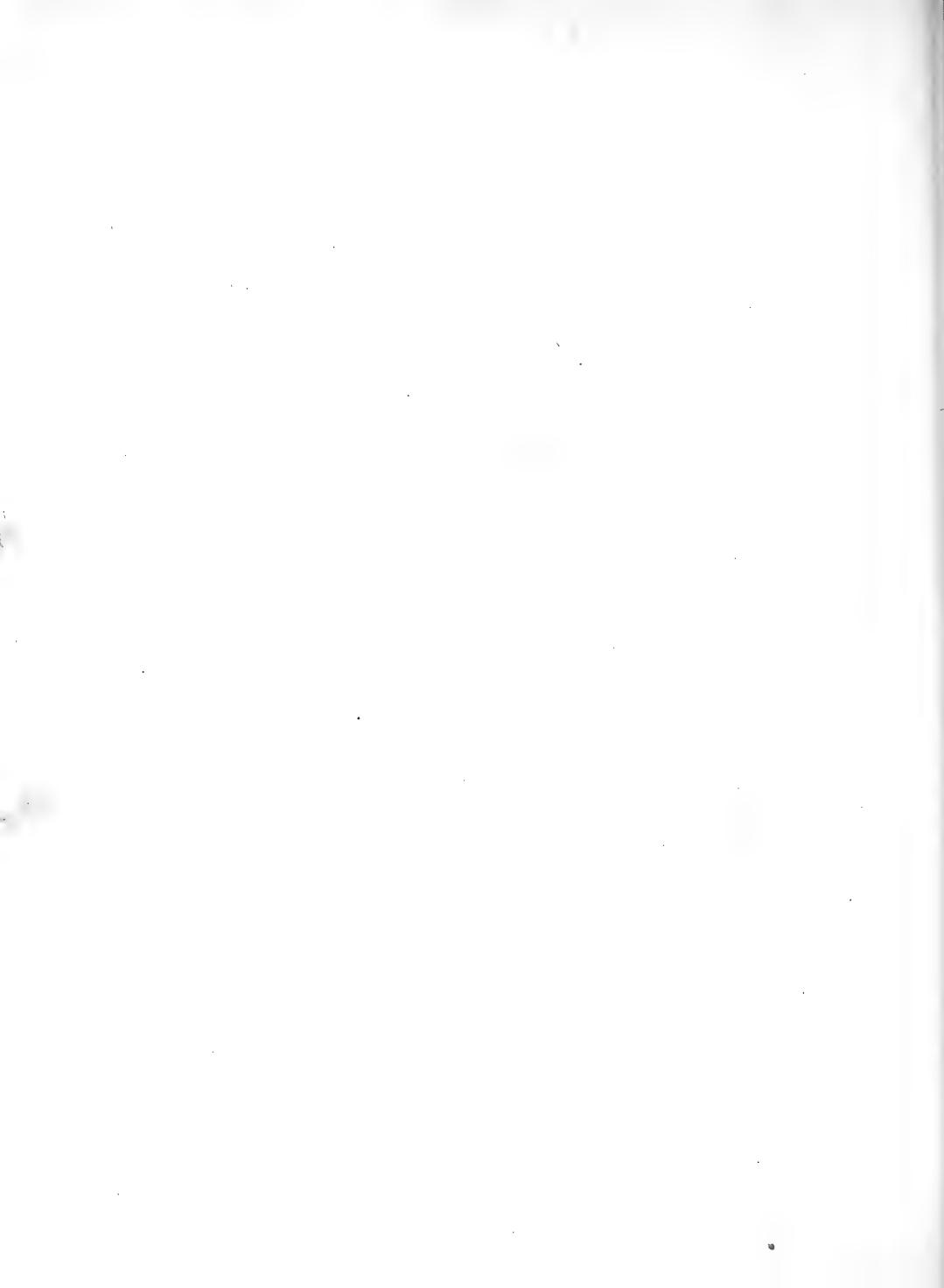




















FALCO NIGRICEPS

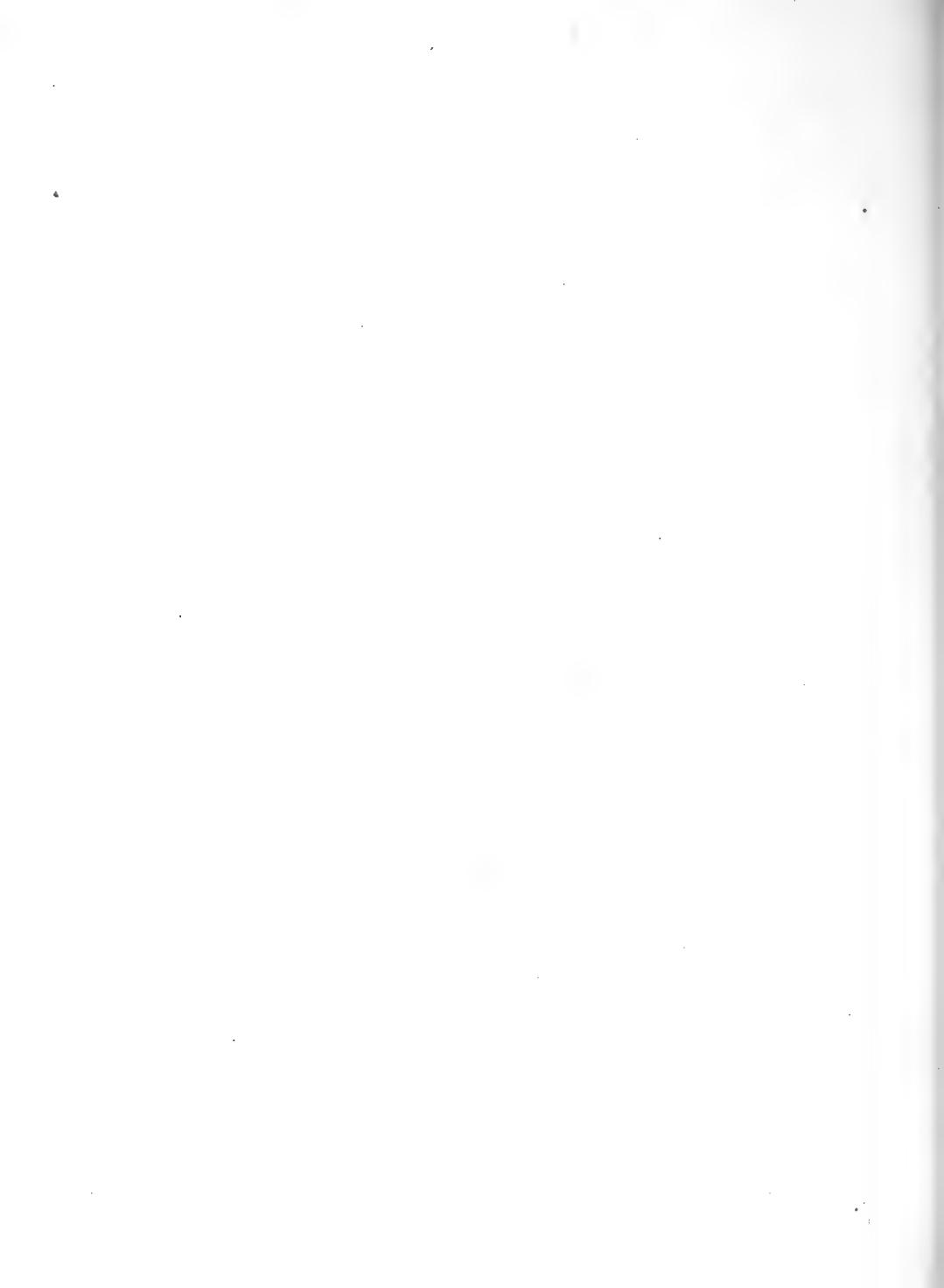




BUTEO SWAINSONII.









Bowen & C° Lith. & Col. Philada

BUTEO CALURUS





I. BUTEO FULIGINOSUS. 2. B. OXYPTERUS.









U.S.P.R.R. Exp & Surveys . . . 38th, 39th, 41st Parallels.

Birds . . . Plate XVII



Bowen & C° Lith. & Col. Philada

CHORDEILES HENRYI.





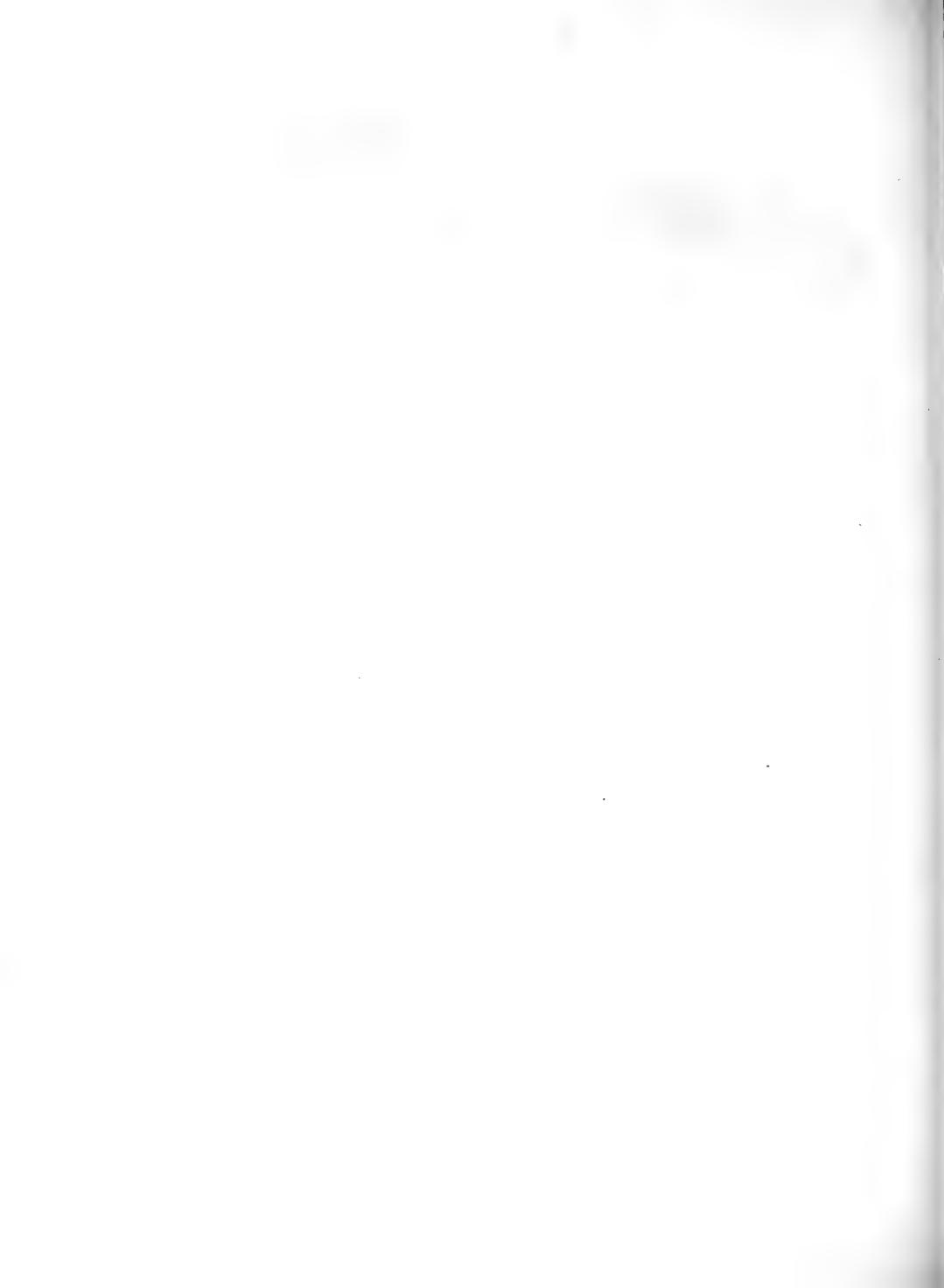












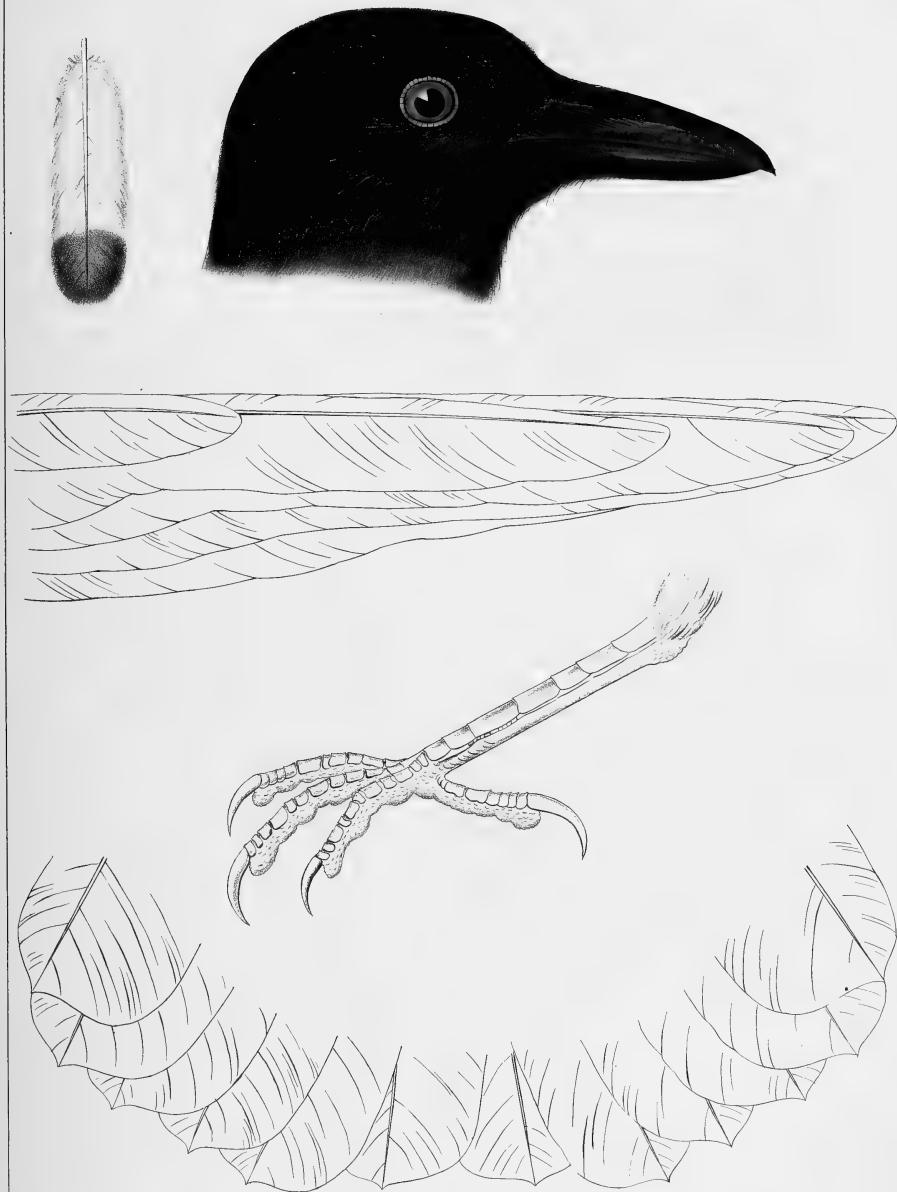


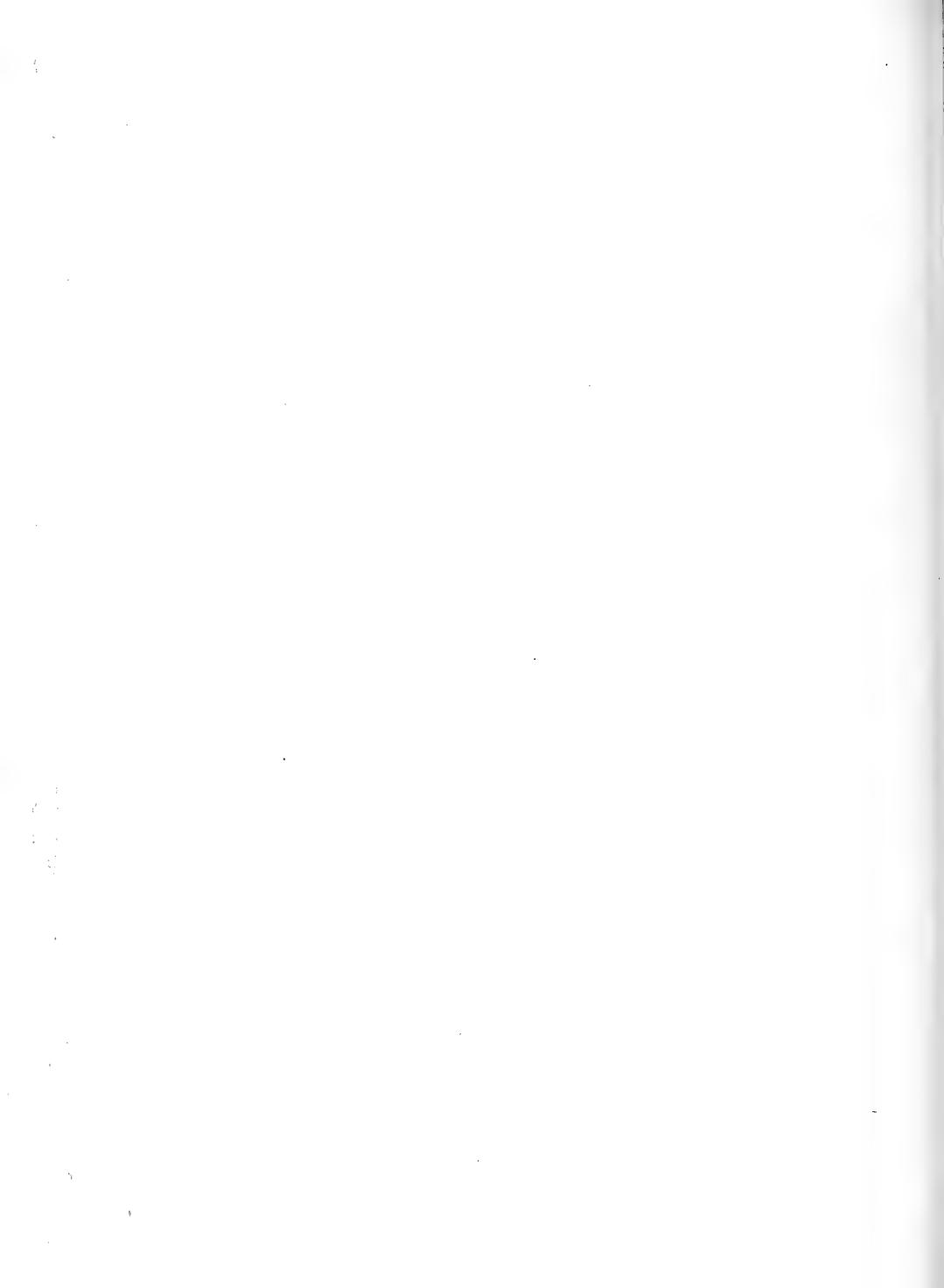
Bowen & C° Lith & Col. Phlada.

CORVUS CARNIVORUS.

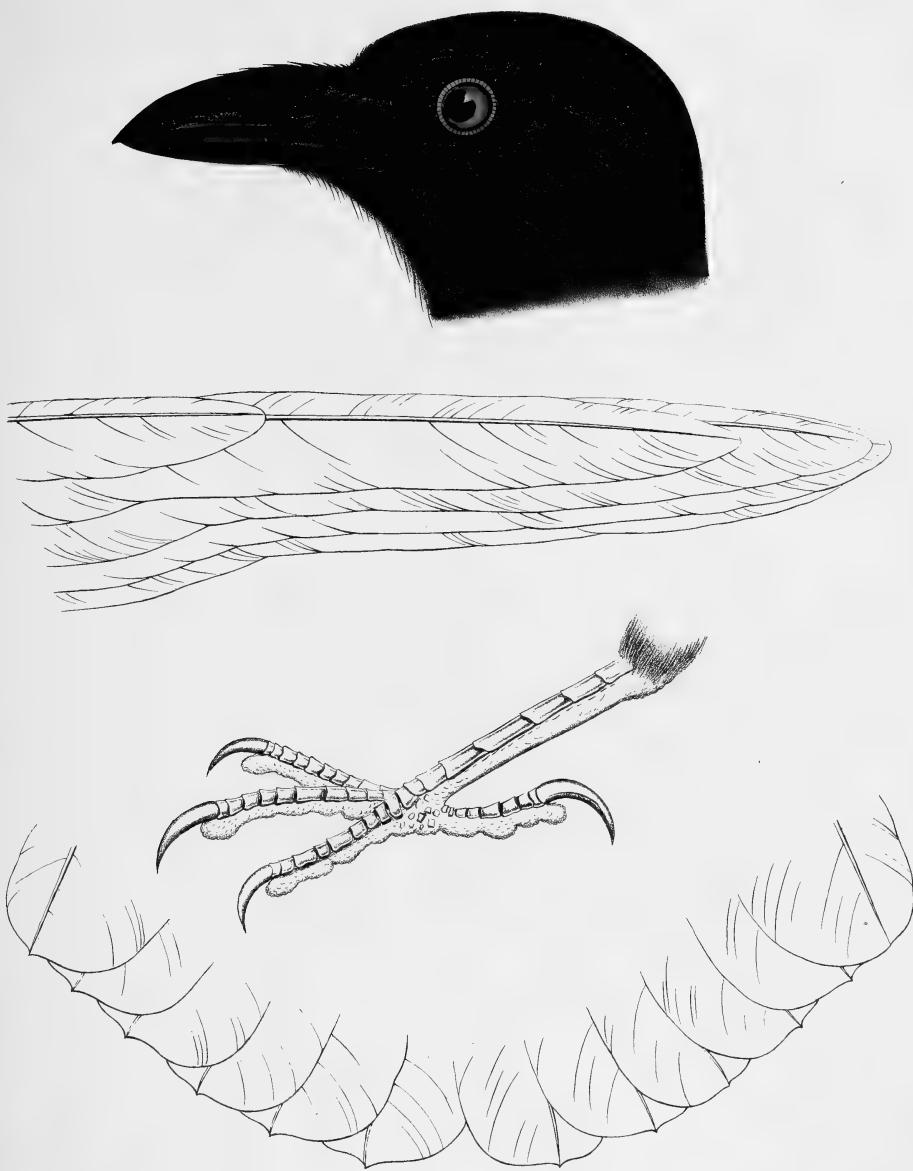




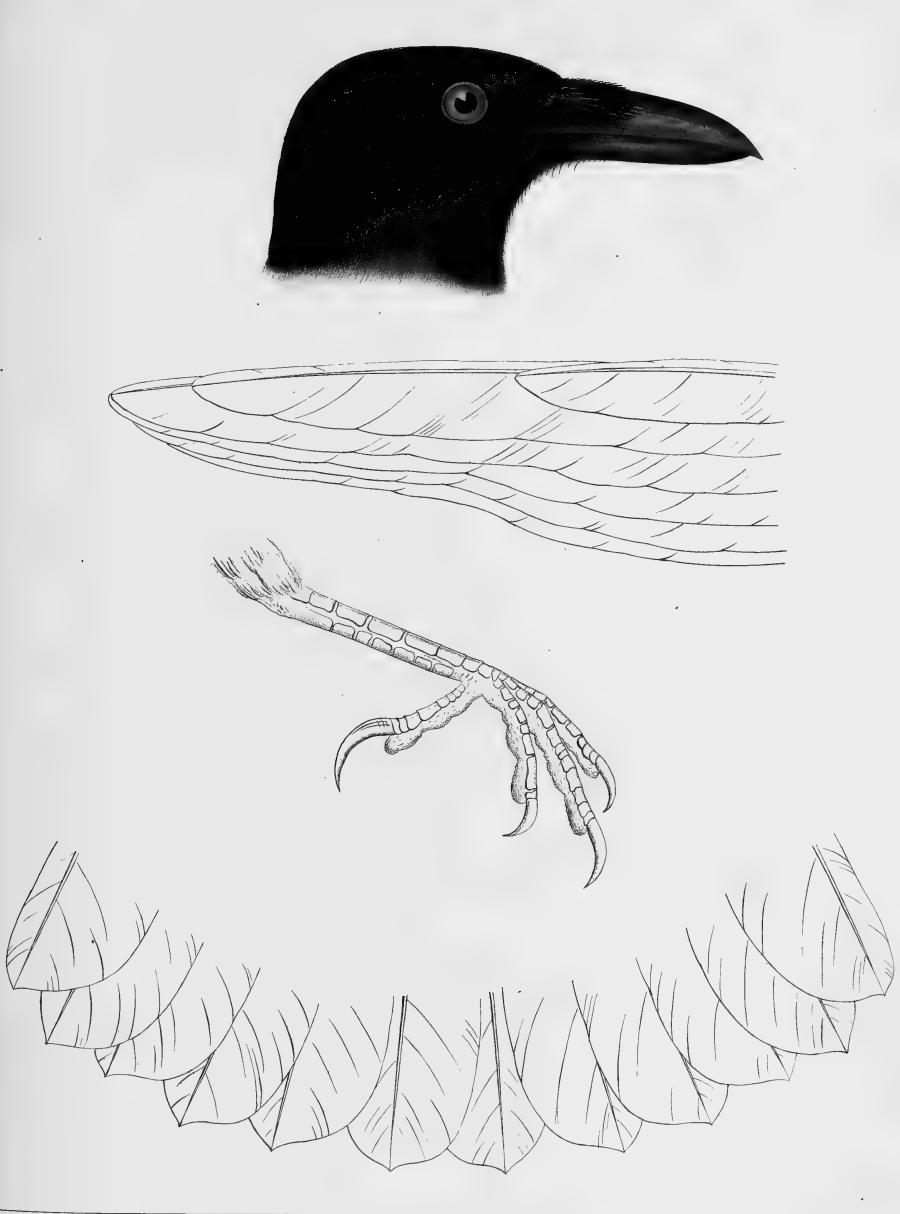




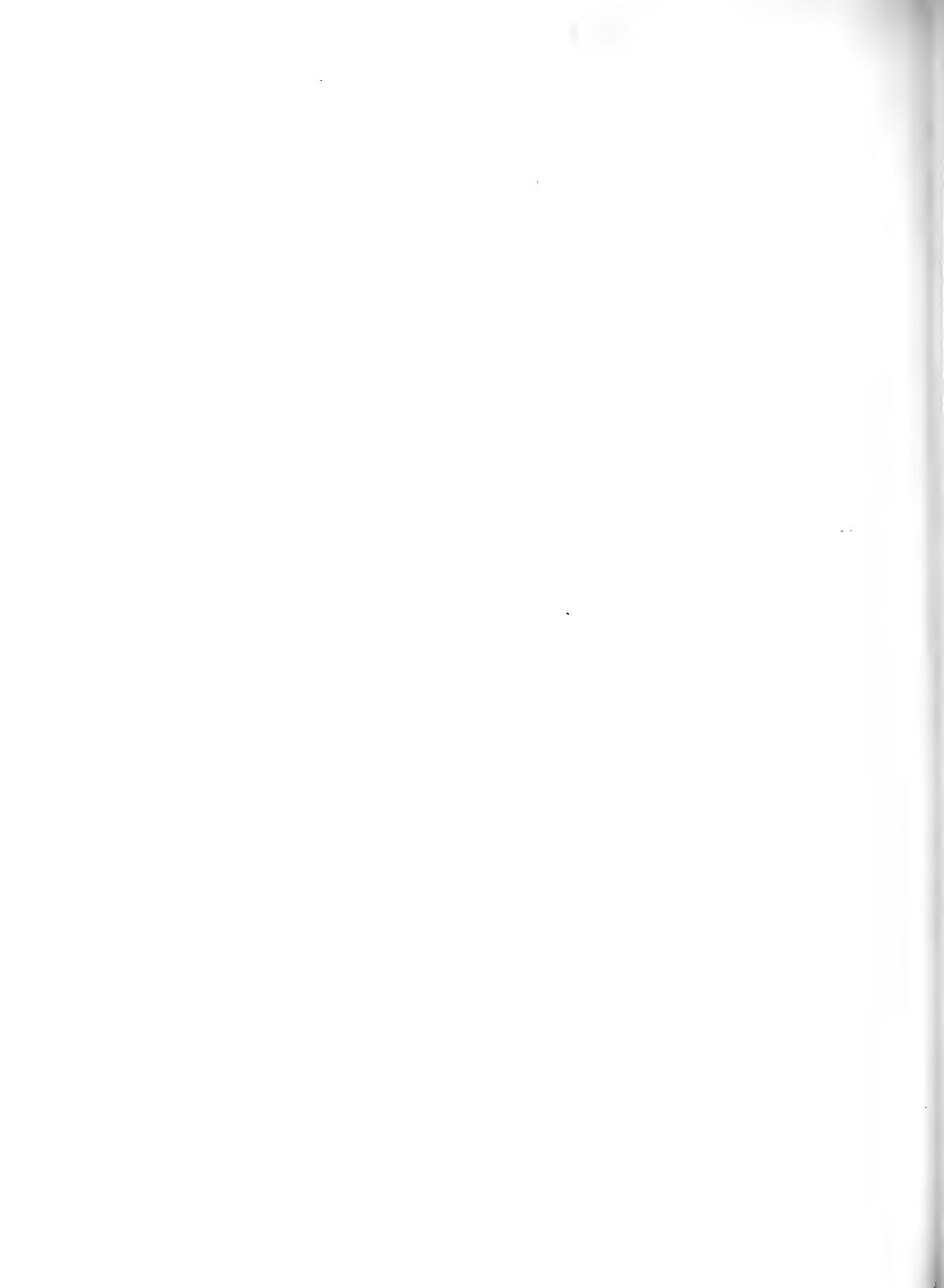




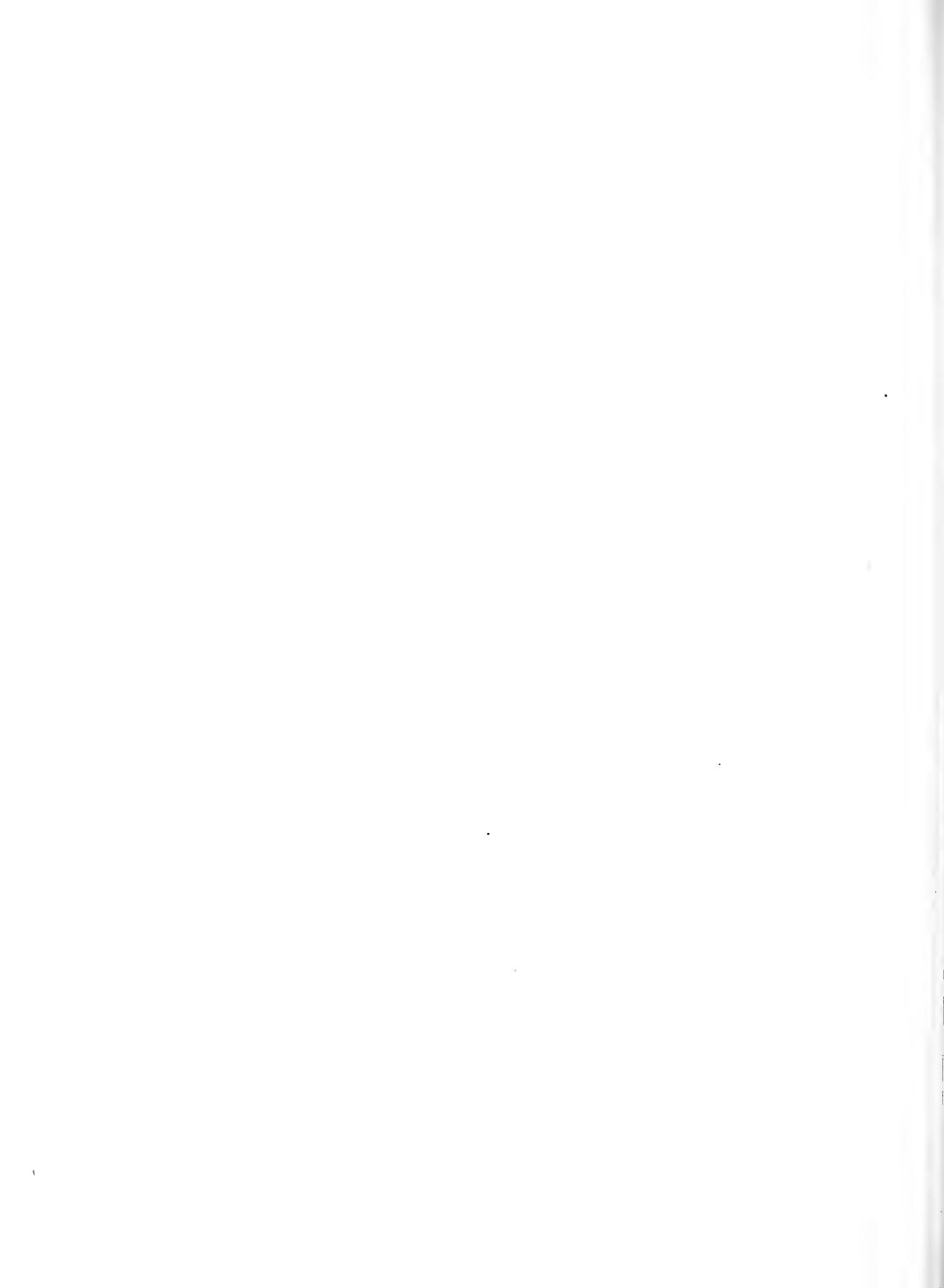




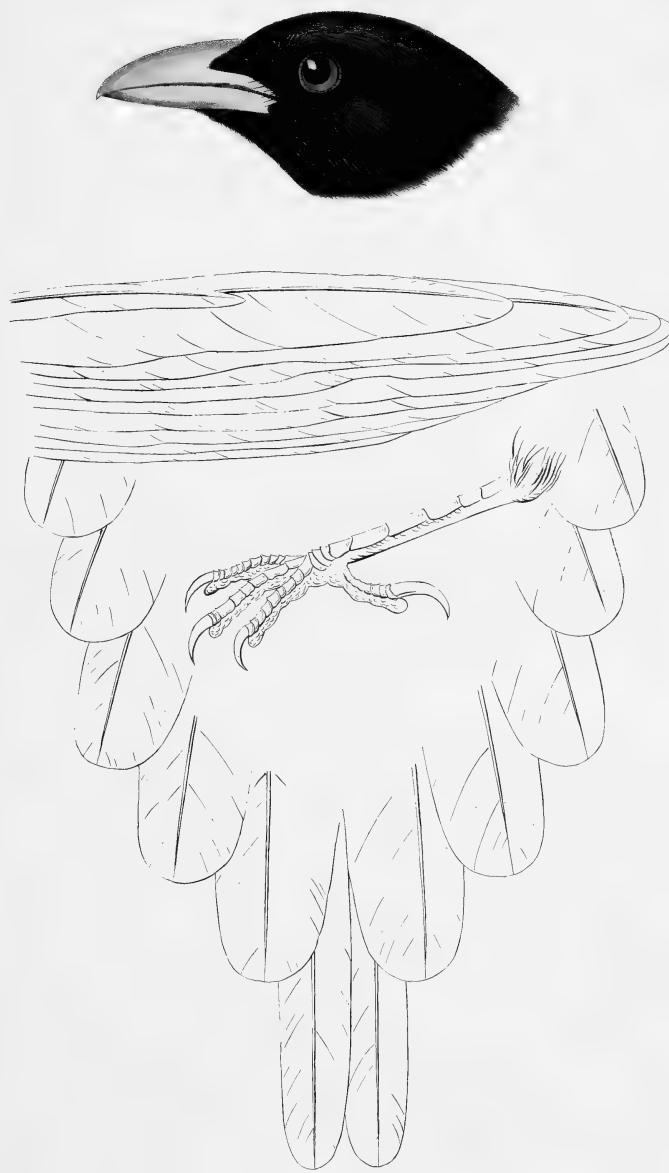
CORVUS CAURINUS











Bowen & Co. Mfg. & col. Philada.

PICA NUTTALLII.







Drawn by J. H. C. Philada

I. CARPODACUS CASSINII. 2. MELOSPIZA FALLAX.





Fig. 2.



Fig. 1.

Bowen & C° Lith & Col. Philada

I. JUNCO DORSALIS. 2. PASSERULUS SANDWICHENSIS.







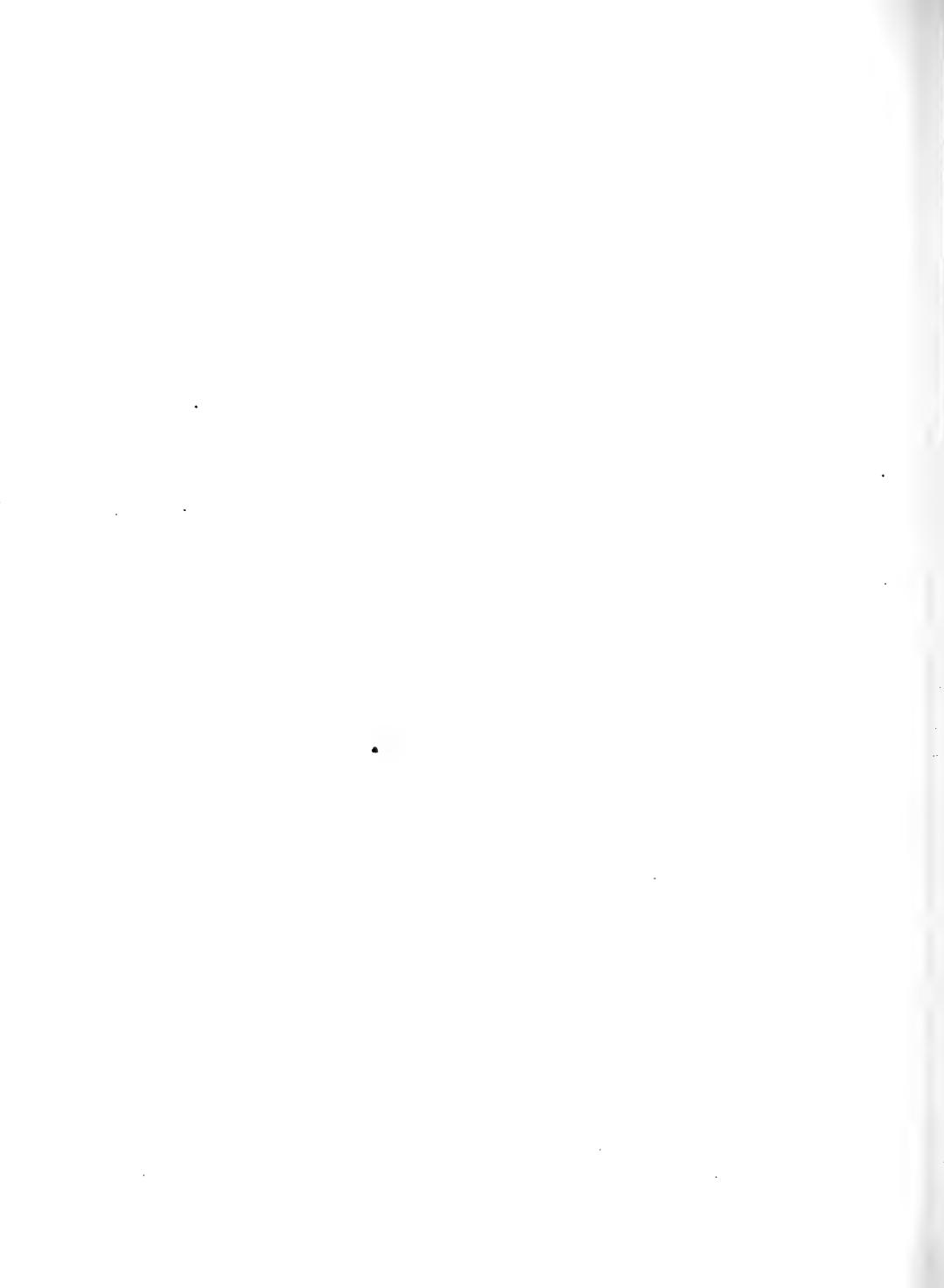
Bowen & C° Lith. & Col. Philada.

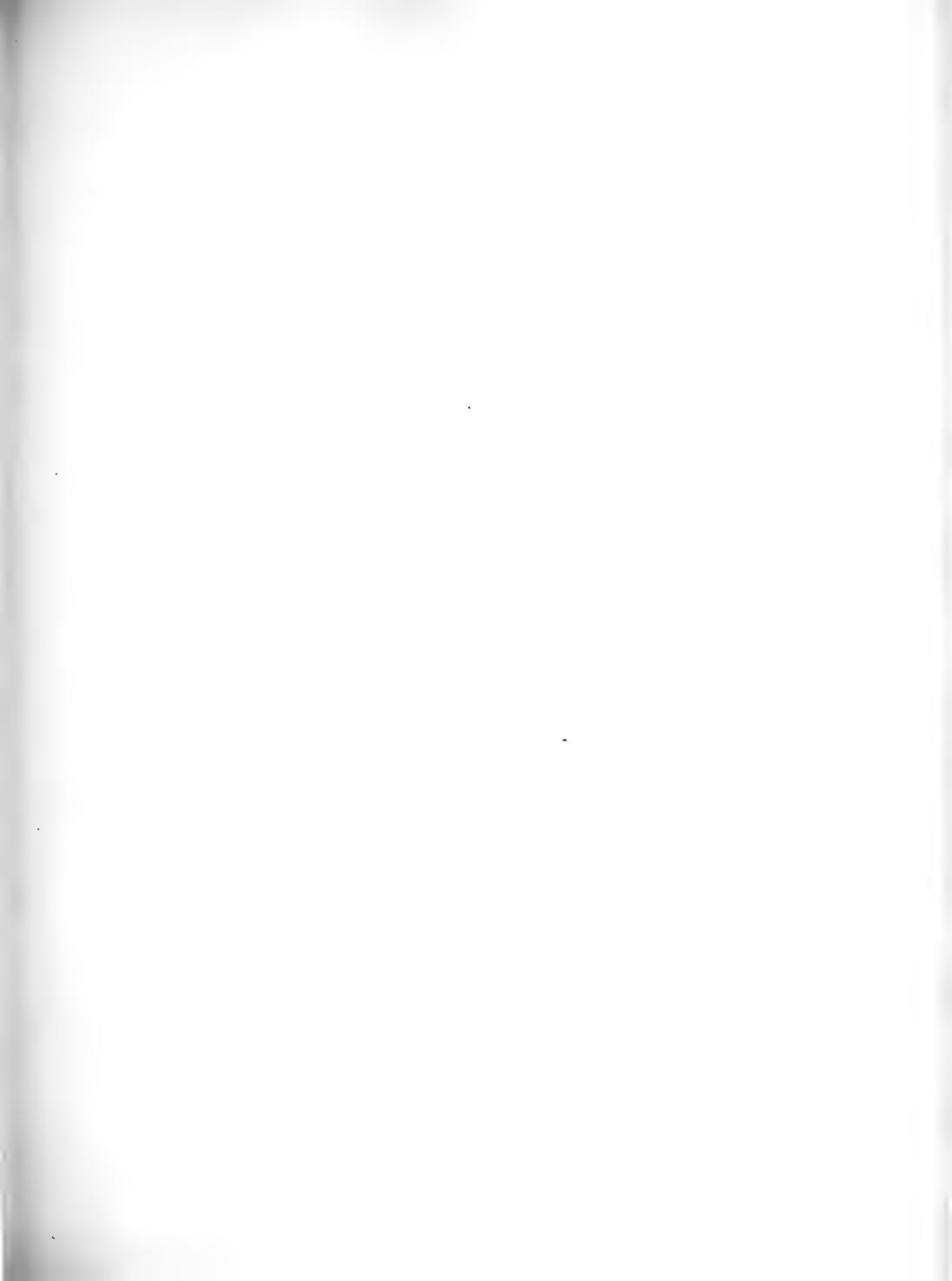
PIPIO MESOLEUCUS.



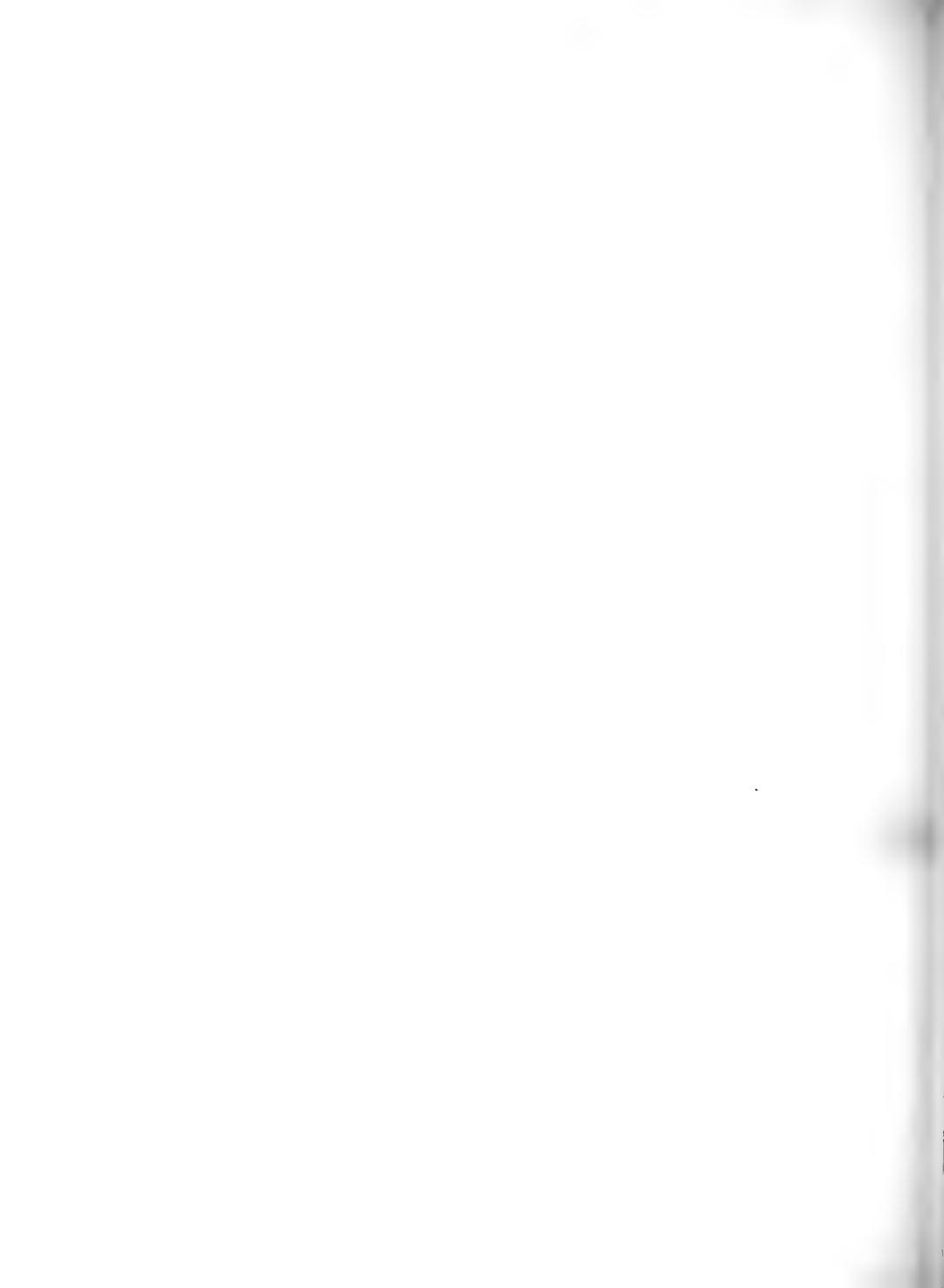








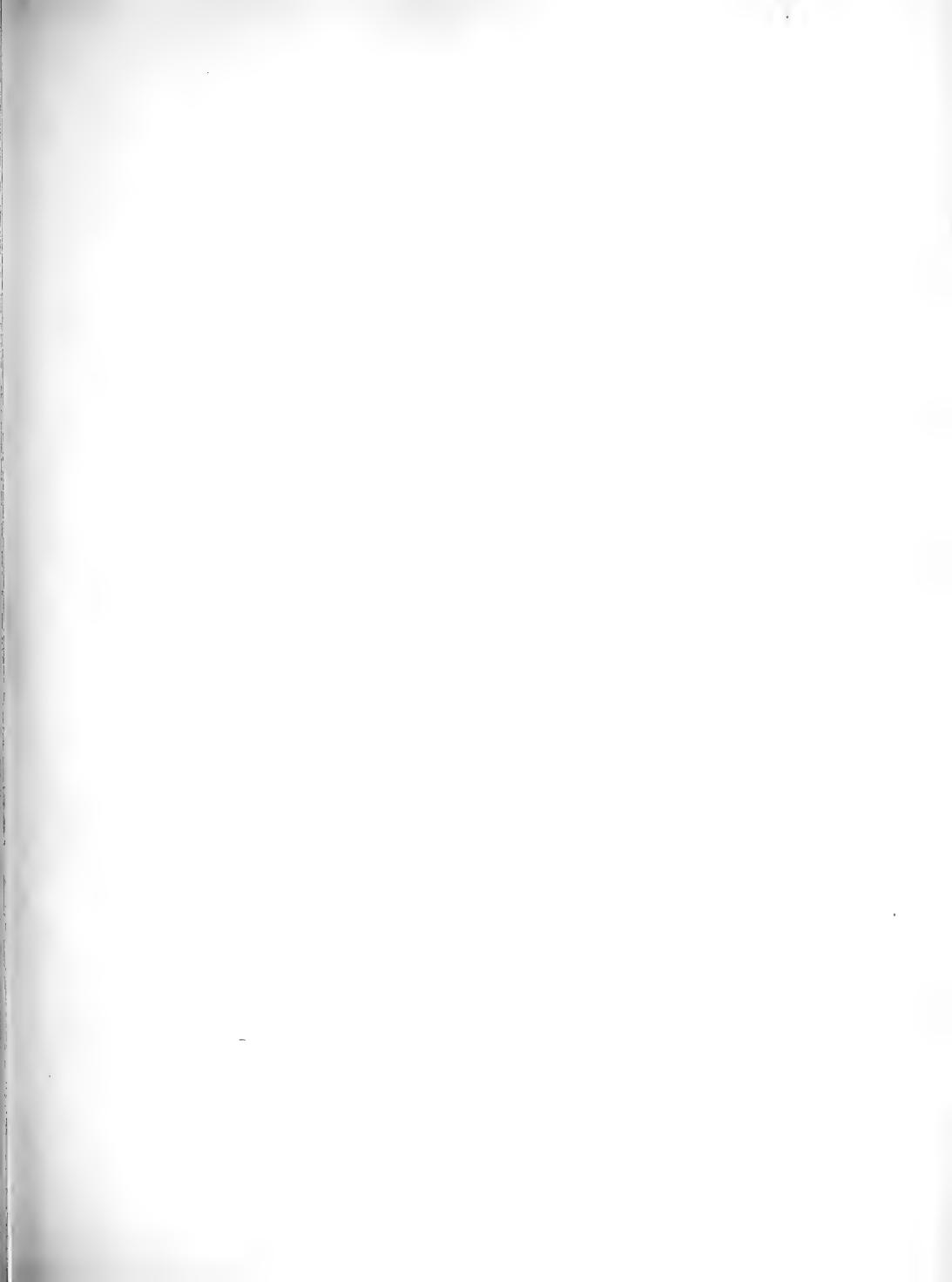






QUISCALUS BARITUS.







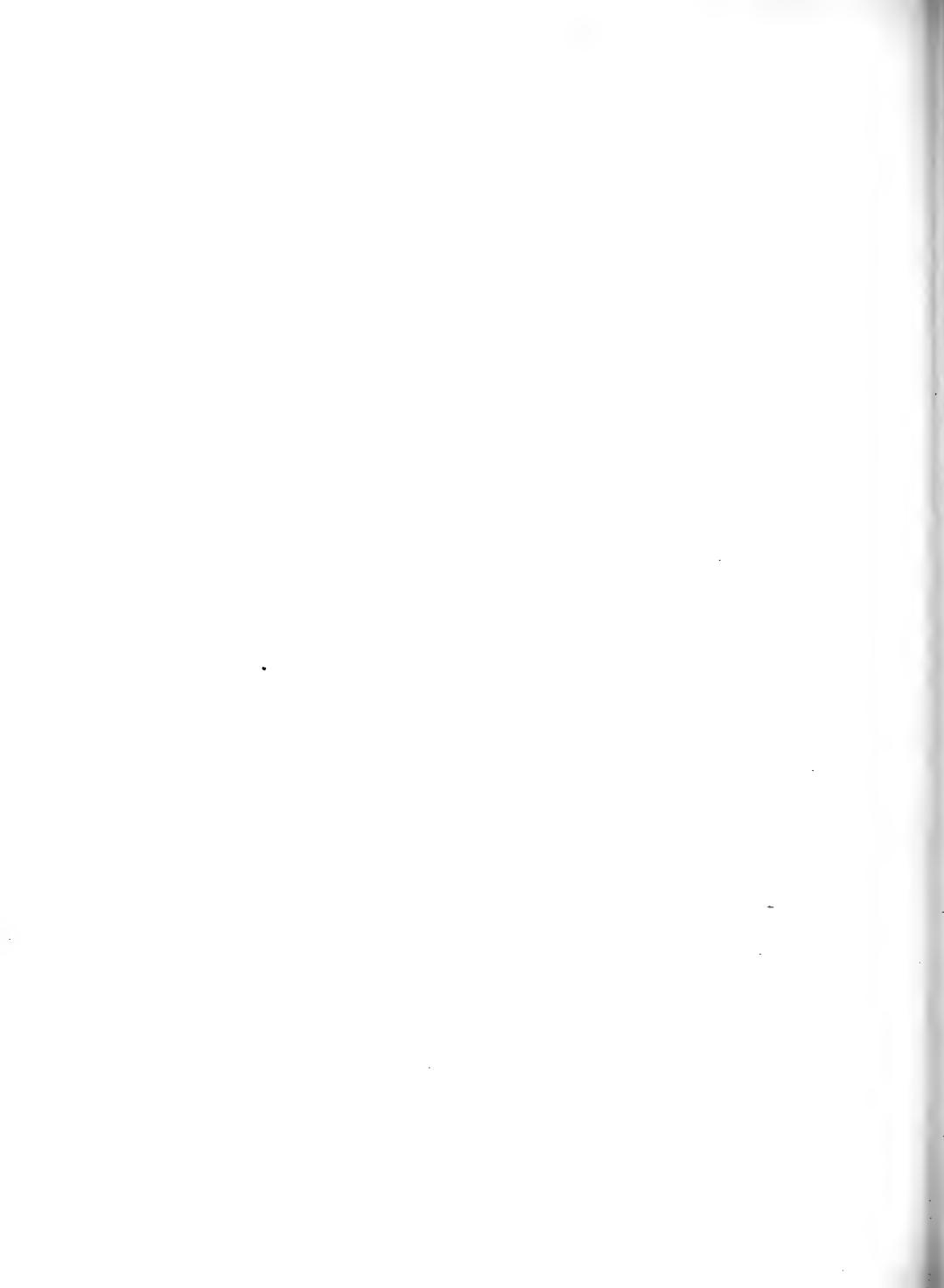


I. POLIOPTILA PLUMBEA. 2. PSALTRIPARUS PLUMBEUS.

3. SITTA ACULEATA. 4. SITTA CAROLINENSIS.



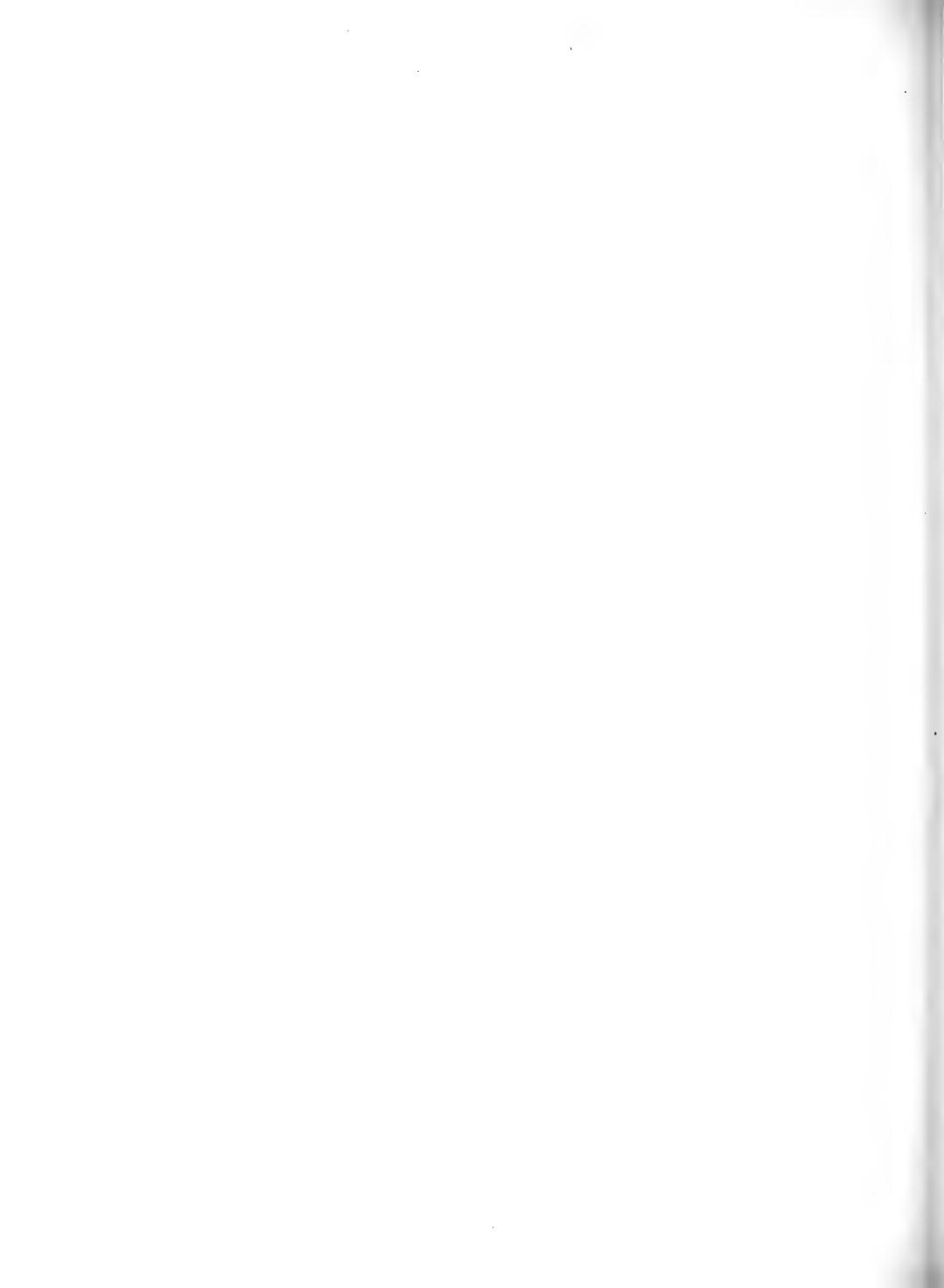






Bowen & C° Lith. & Col. Philada

1. MELANERPES WILLIAMSONII. 2. ICTERIA LONGICAUDA.





Bowen & Co. Fath & col Philadelphia

SPHYRAPICUS NUHALIS. 1 Male. 2 Female.











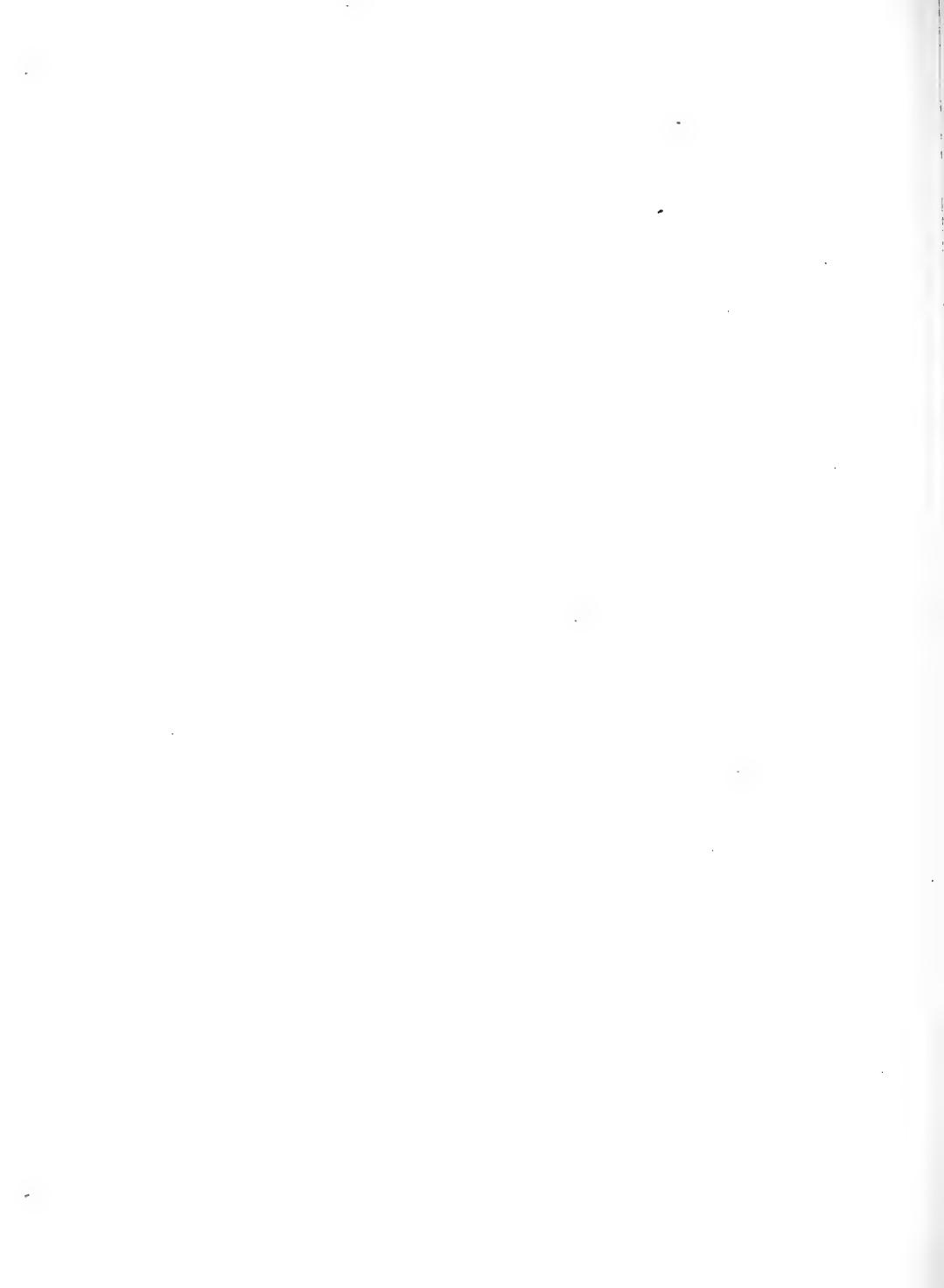




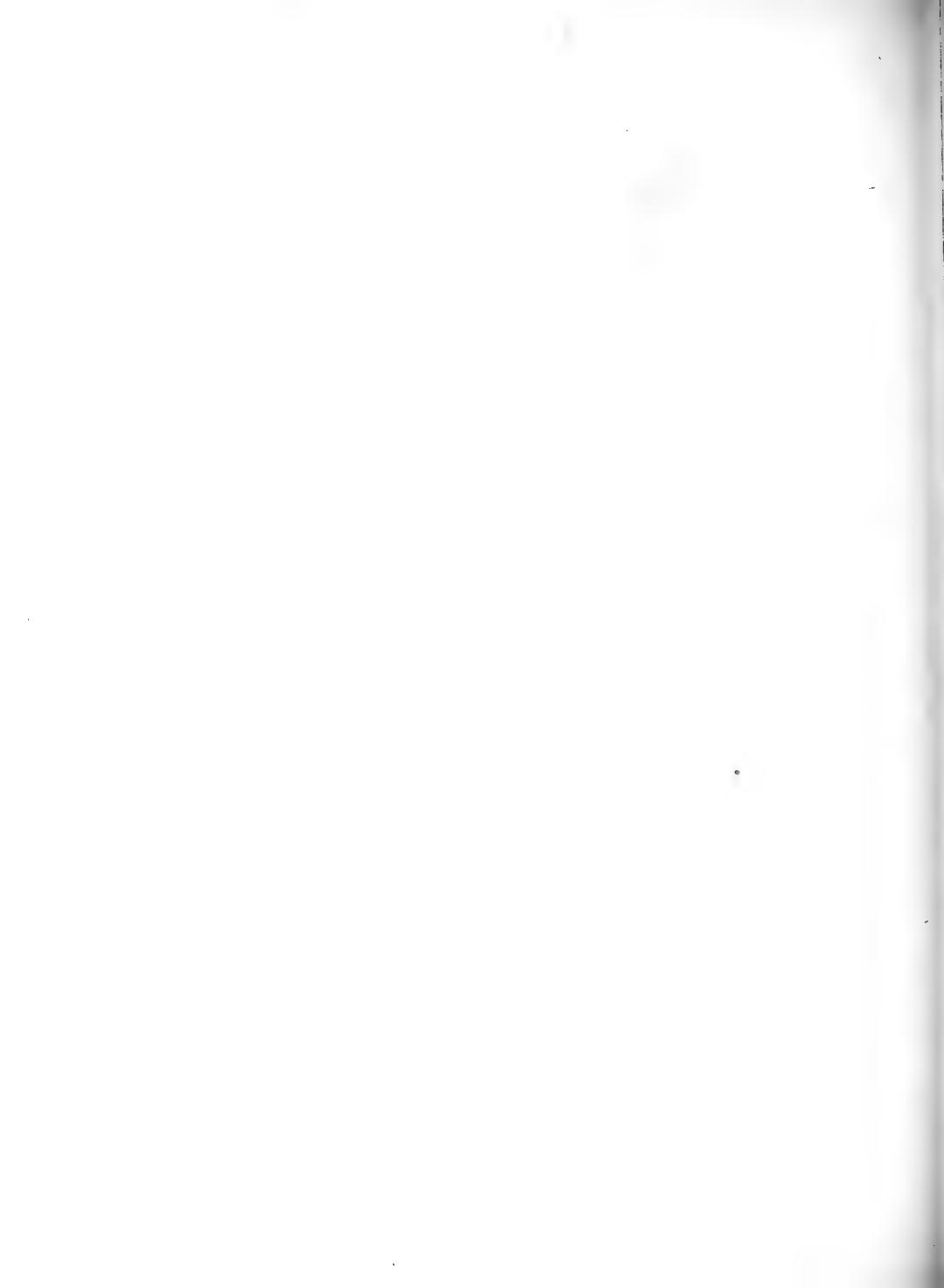






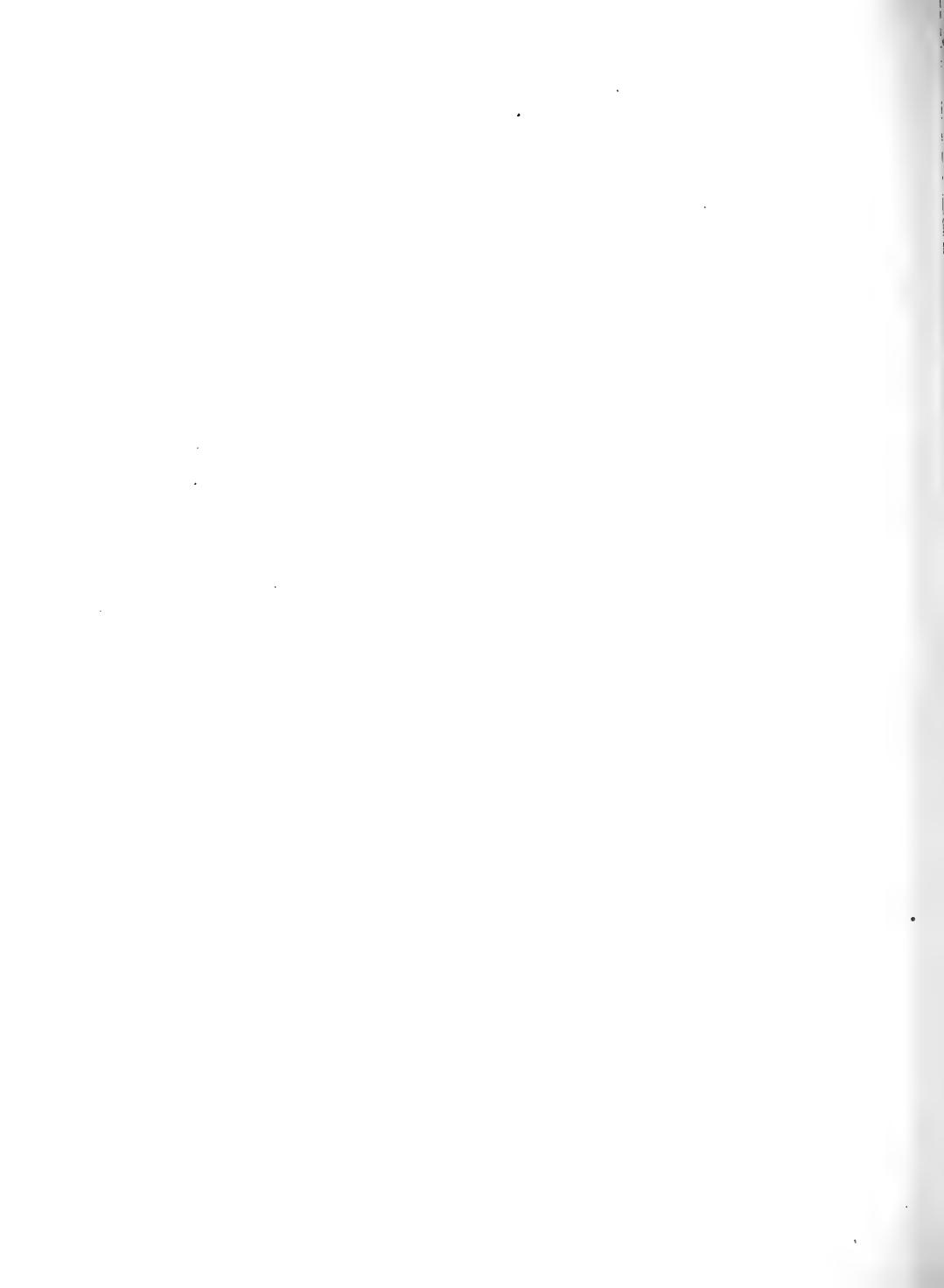






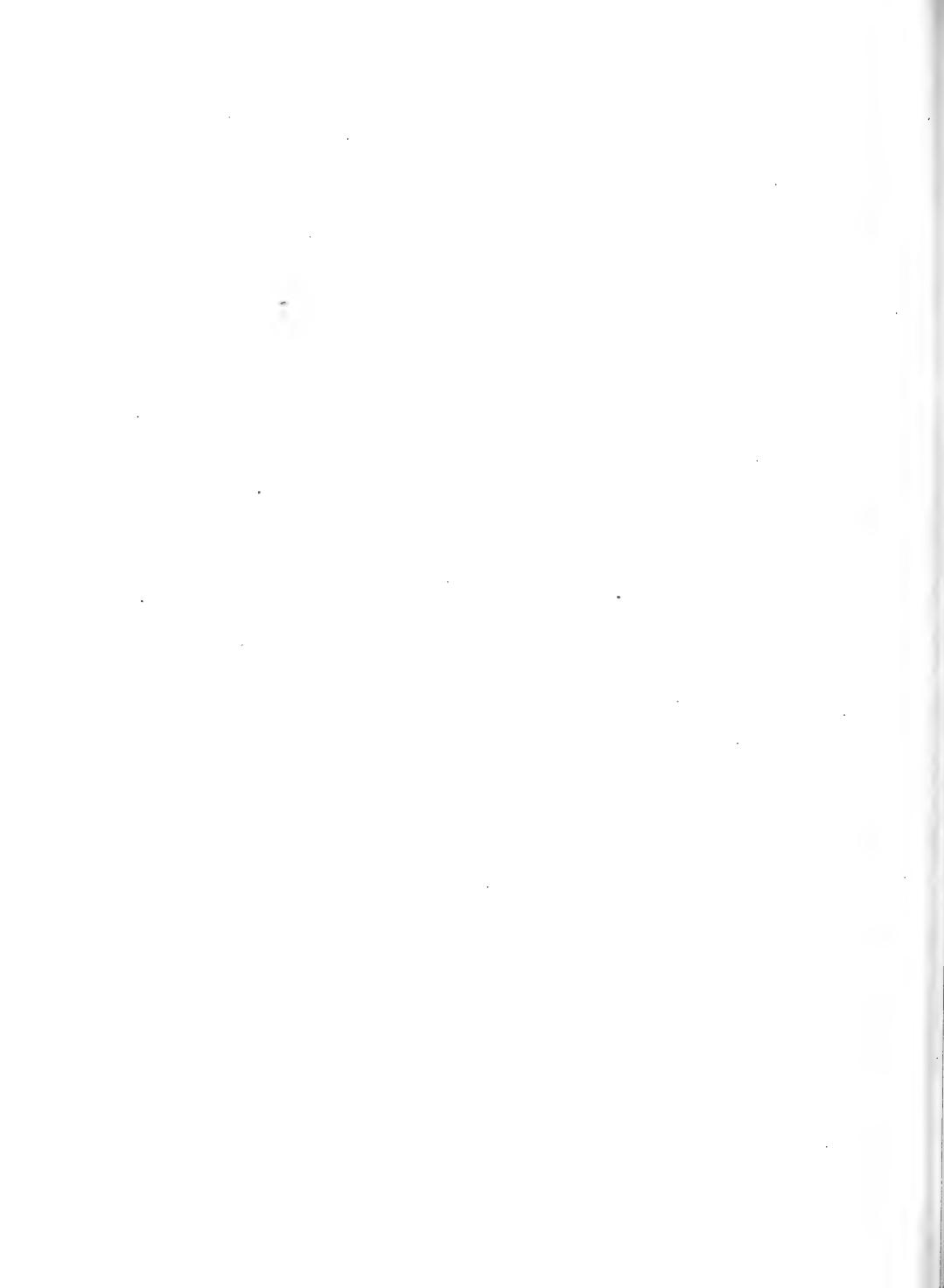


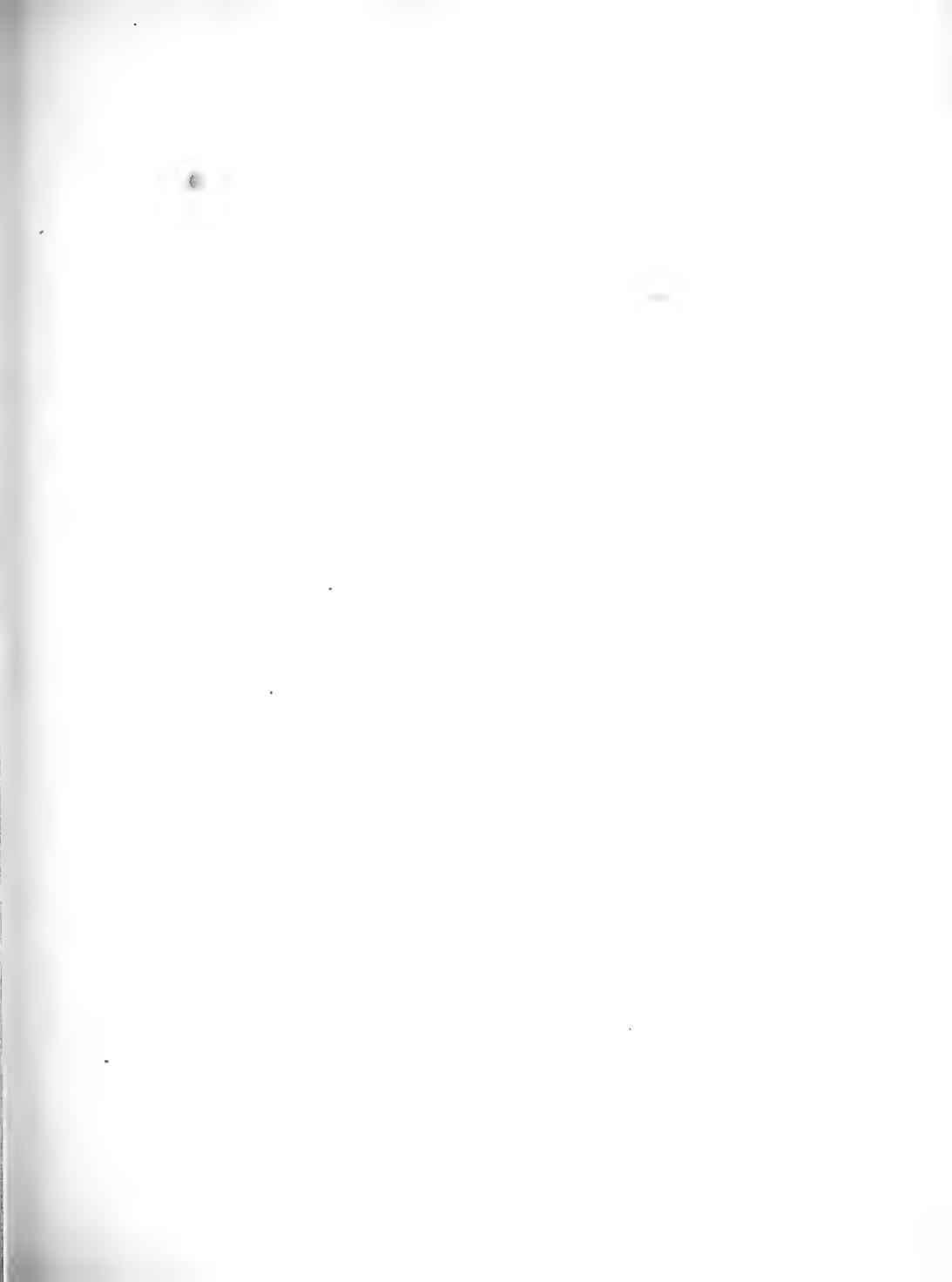
1. TROGON MEXICANUS. (Male.) 2 Under View of a Pair of Different Specimen





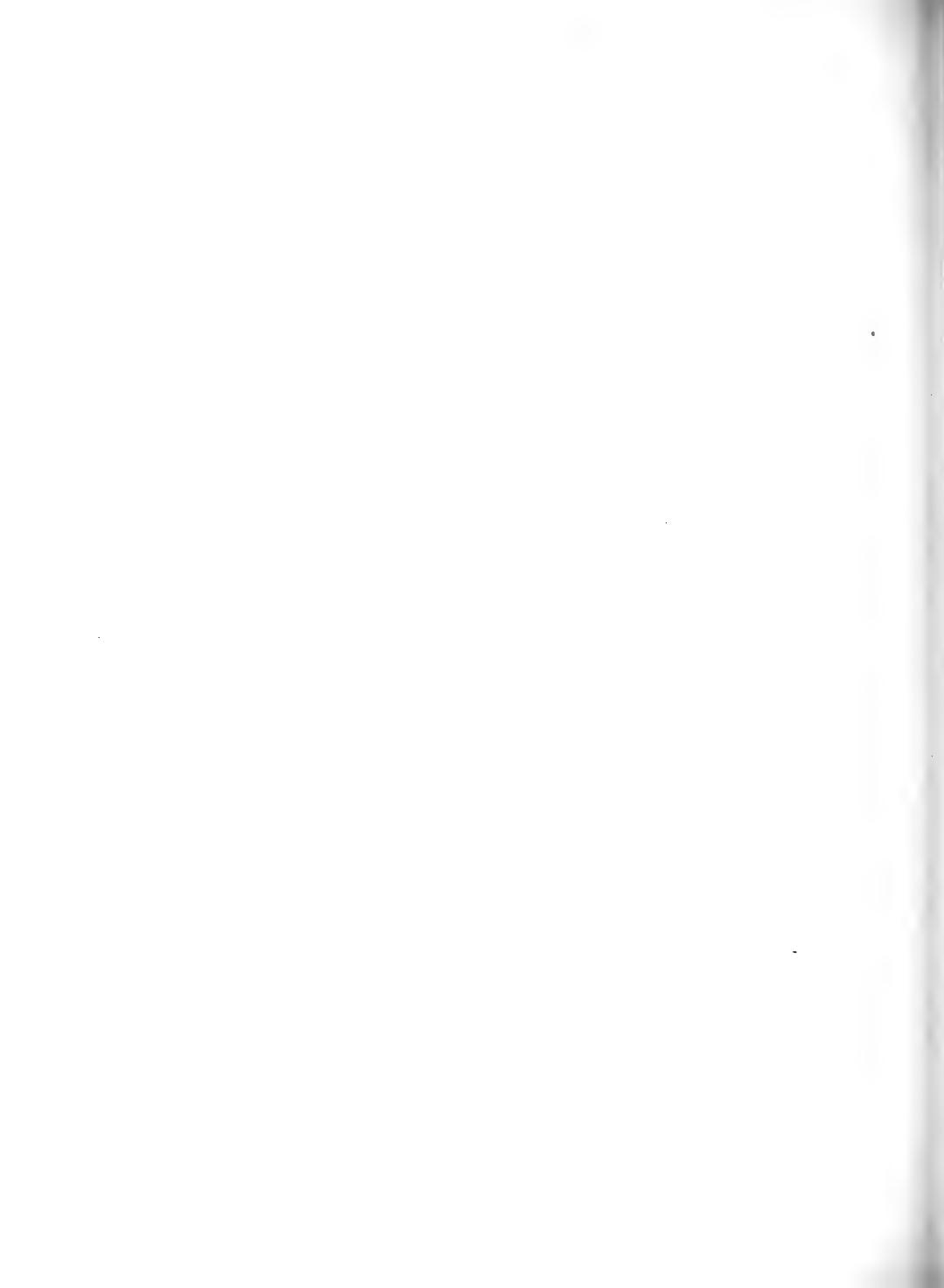
1. *PICUS SCALARIS*, or *PICULUS SCALARIS*.







CENTURUS PLAVVENTRIS—1 Male 2 Female





1 ♂ CECASPIORUM PLATYGERGUM 2 Male 3 Female
3 ♂ CECASPIORUM ALIZABDII Male





CHORDEILES TEXENSIS.

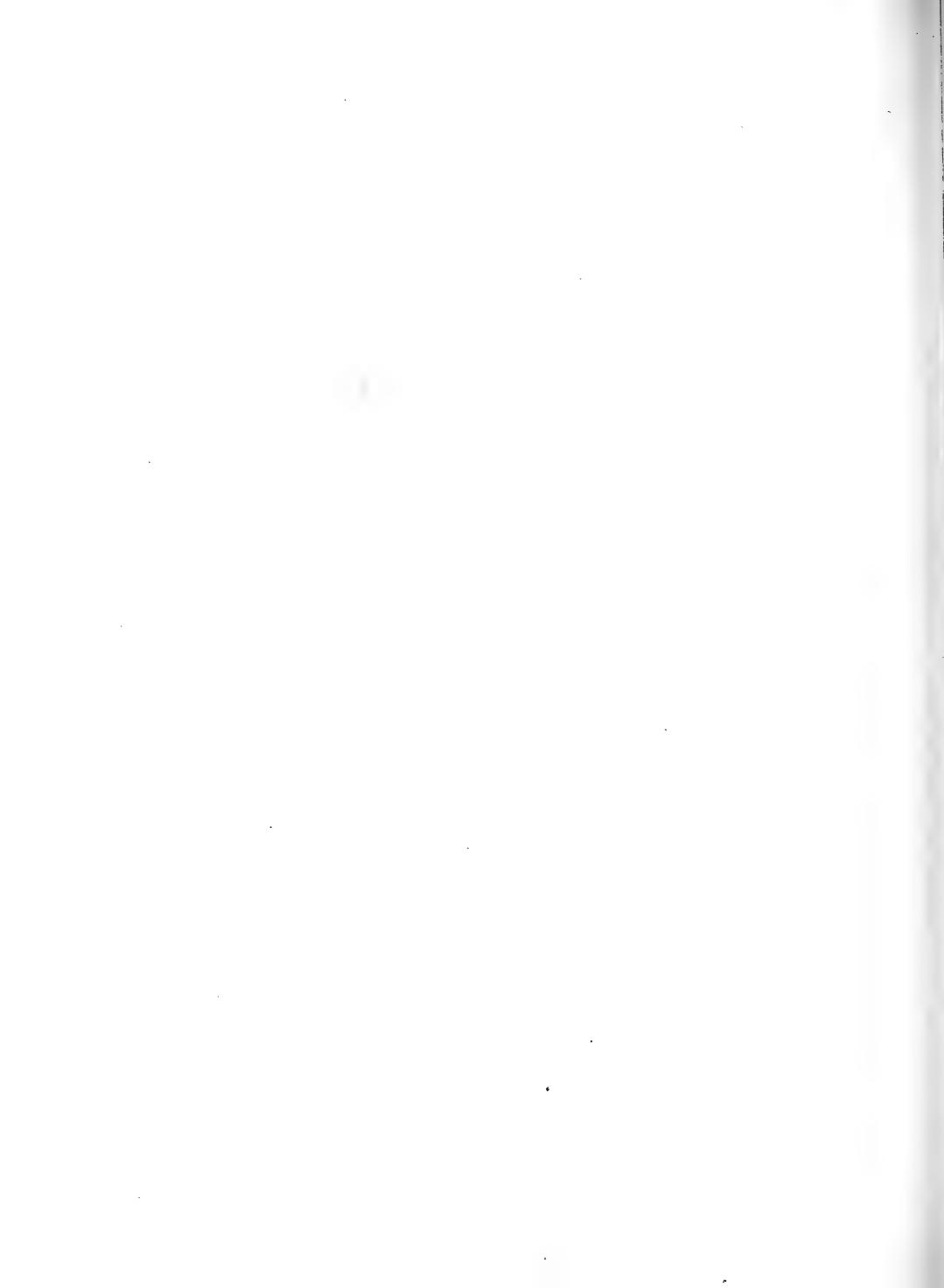








CERYLE AMERICANA — 1 Adult. 2 Young







MOMOTUS COERULEICEPS.

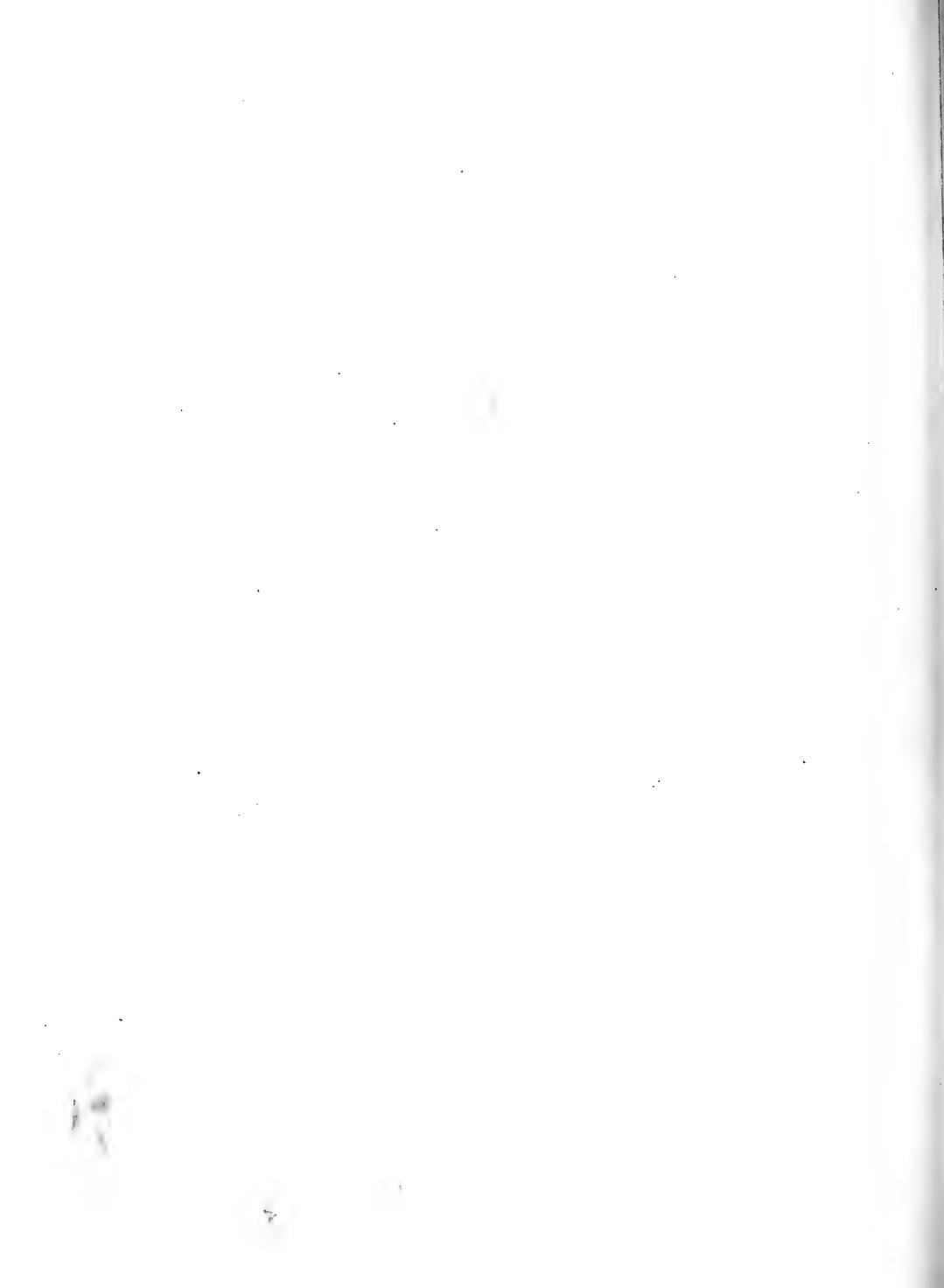








1 PACHYRAMPHUS AGLAIAE Male
2 PACHYRAMPHUS VALIDUS Female
3 PACHYRAMPHUS VALIDUS Female

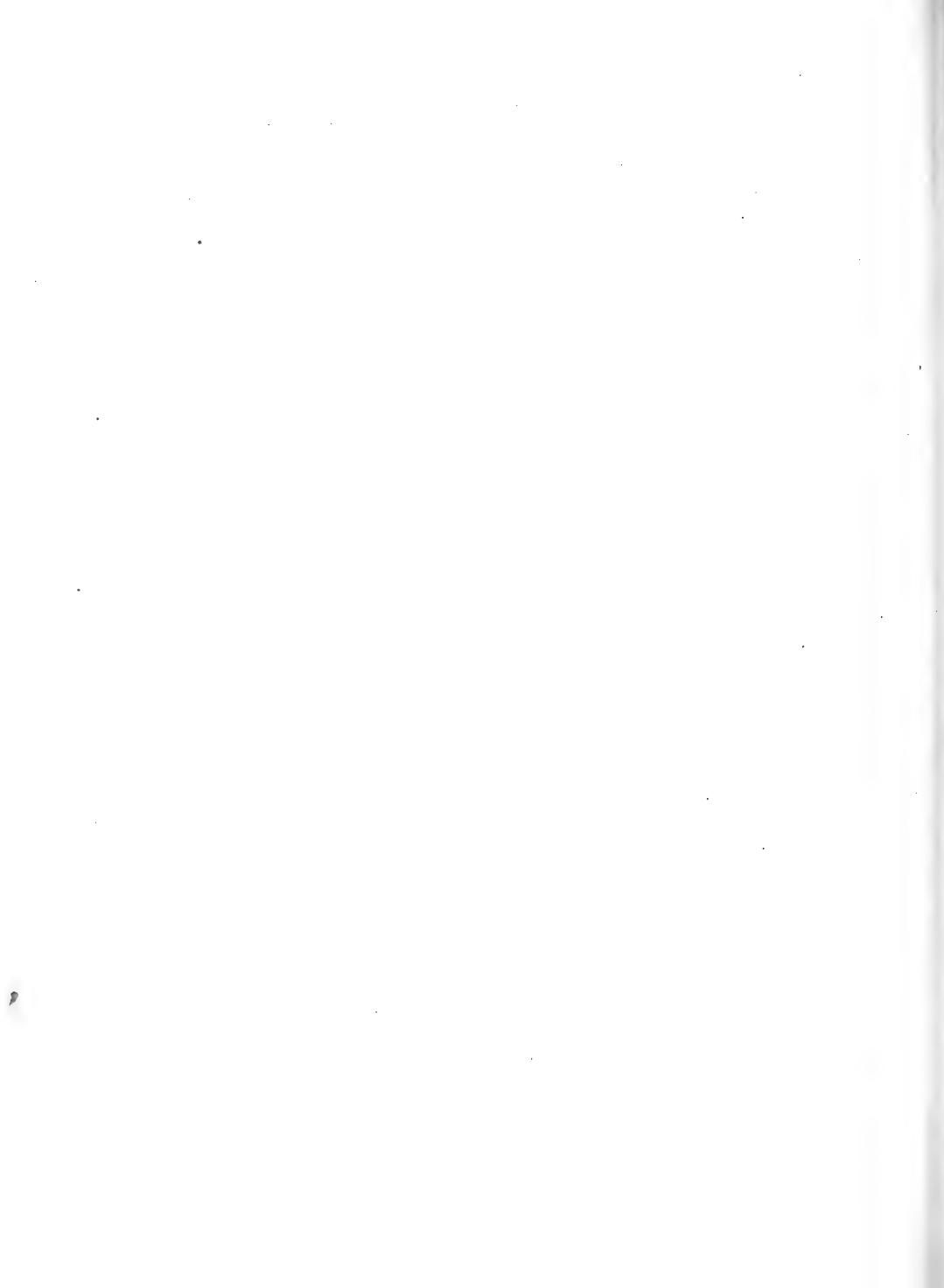








TYRANNUS VOCIFERANS.





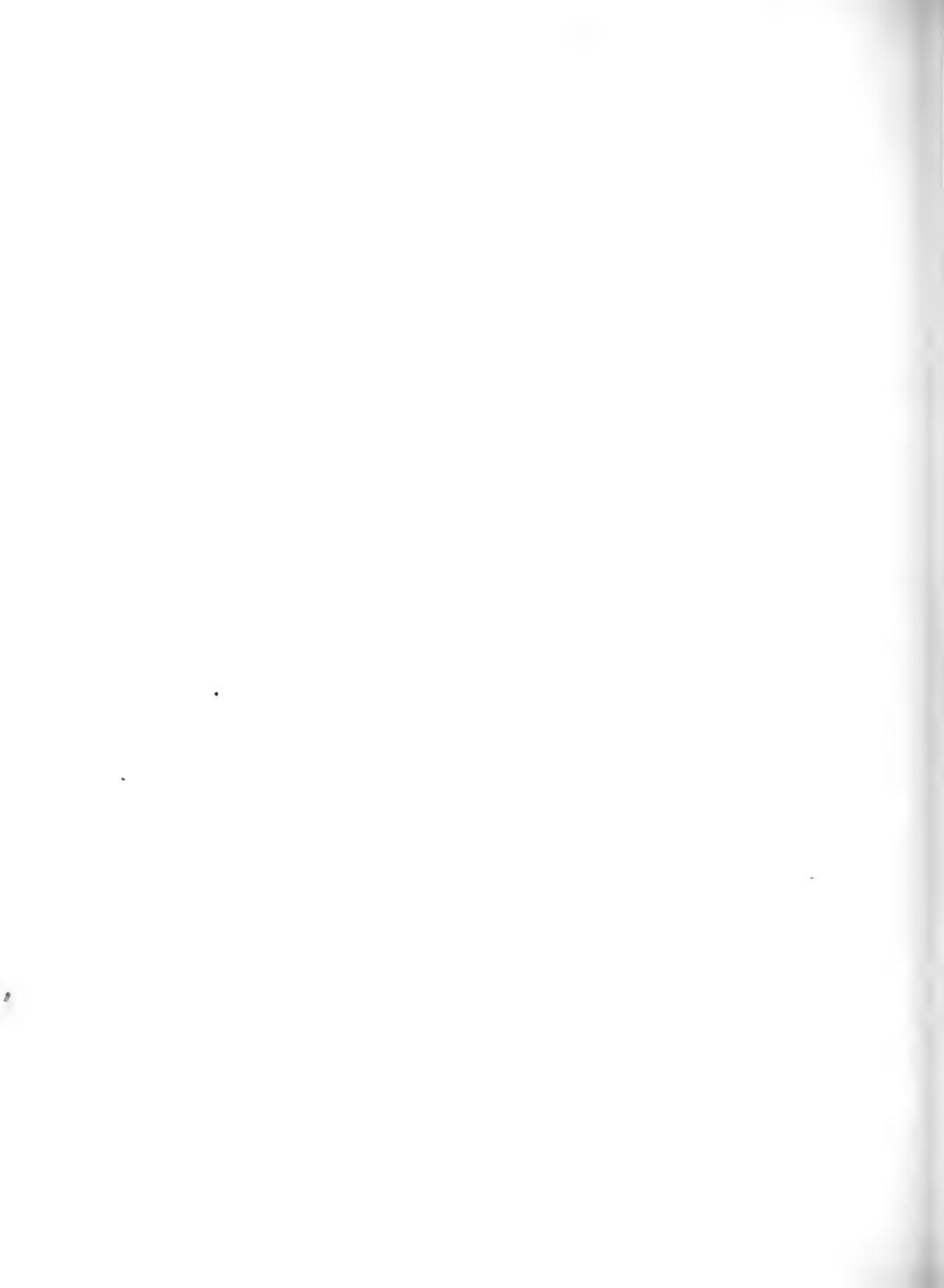


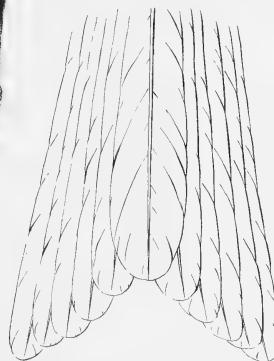
Fig. 3.



Fig. 1



Fig. 2



1. *TYRANNUS COUCHII*—2. *TYRANNUS MELANCHOLICUS*, T. & G.
3. *EMPIDONAX OBSCURUS*.







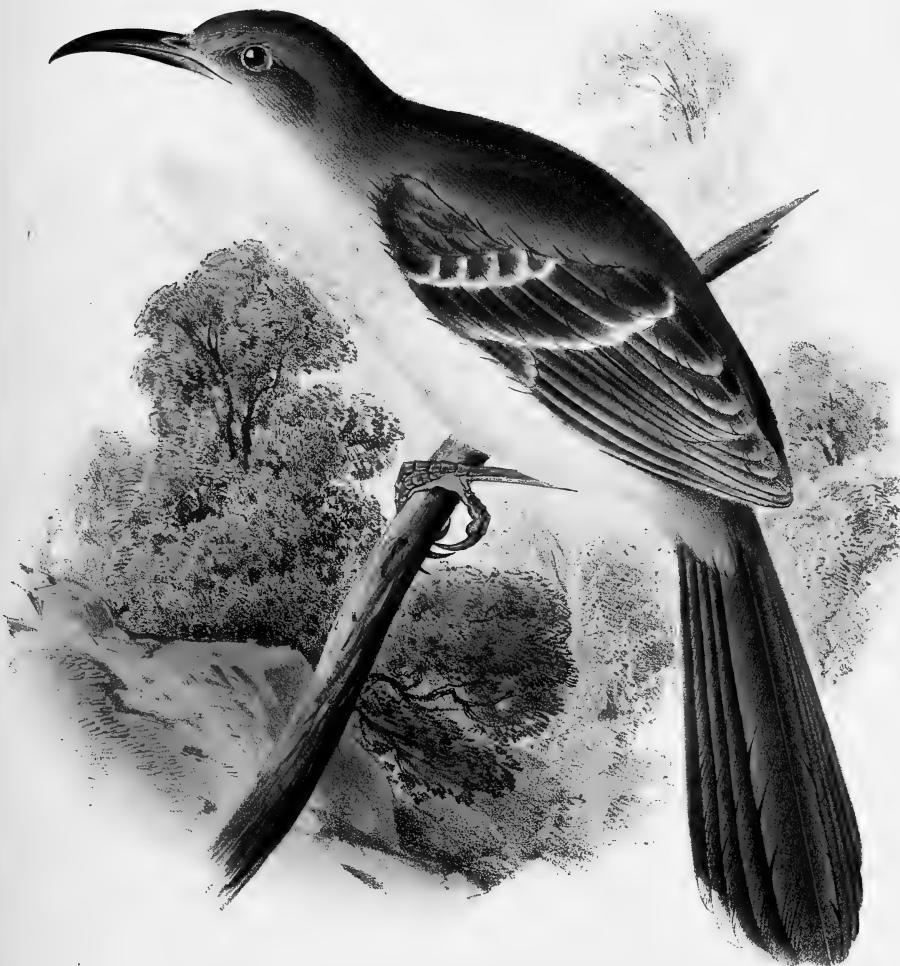


THE UPLANDS OF CALIFORNIA

BY JAMES G. COOPER







THAMNOLOMA CURVIROSTRIS

Printed by G. C. Bowen & Co., Philadelphia.







TOXOSTOMA LONGIROSTRIS.







1 LOPHOPHANES WOLLWEBERI 2 AEGITHALUS FLAVIGRIS 3 CINCLURA MELANOCEPS









Fig. 3.

Fig. 1.

Fig. 2

CHRYSONITRIS MEXICANUS. 2. SPERMOPHILA MORELETII *malai*
3. SPERMOPHILA MORELETII (Female).







1. SPIZELLA ATRIGULARIS
2. PEMBERNAGRA RUBIVIRGA







1. *CYANOLOXIA PARVIFLUX* Male. 2. *SPARVA VIRESCENS* ♂ Male.

Published by Bowen & Co. Philada.





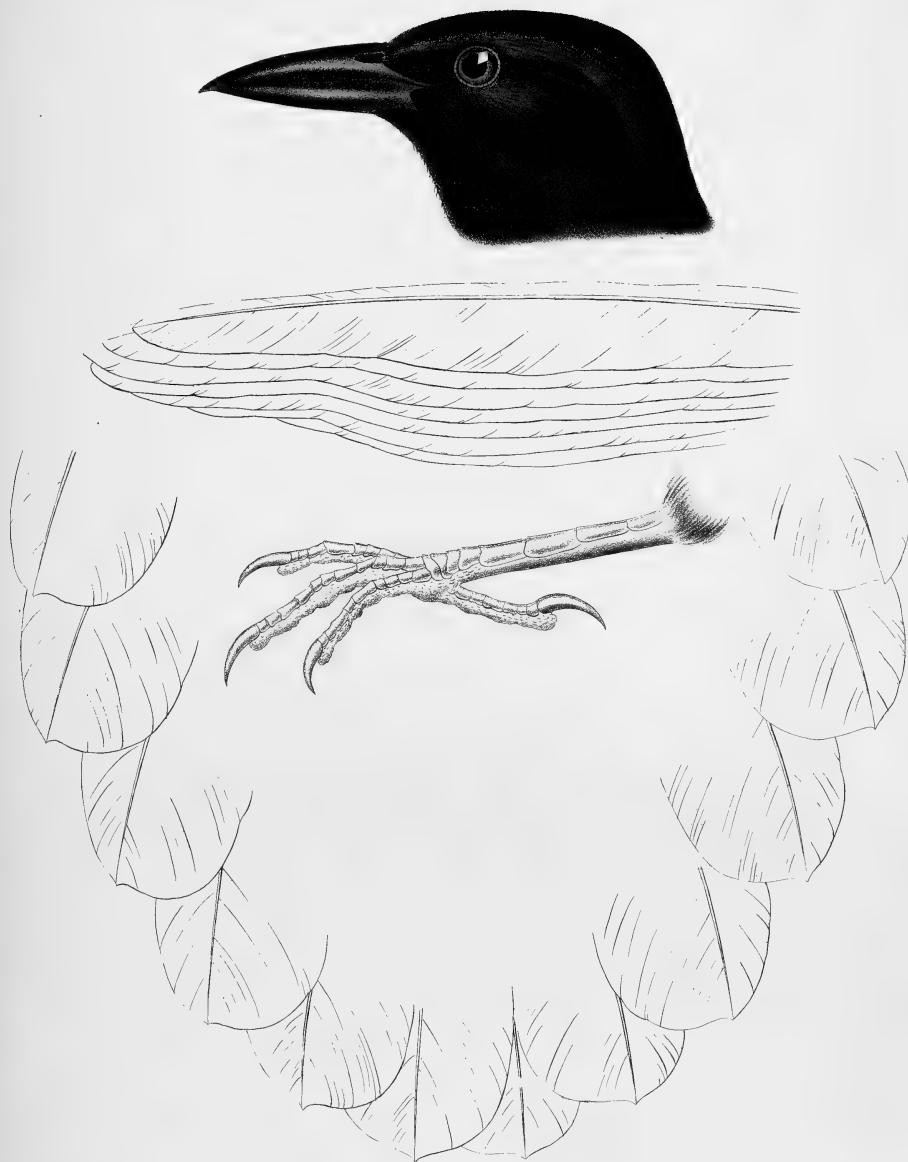
Fig. 1



Fig. 2

1. ICTERUS PARISORUM 2. ICTERUS WAGLERI.





QUISCALUS MACROURUS.



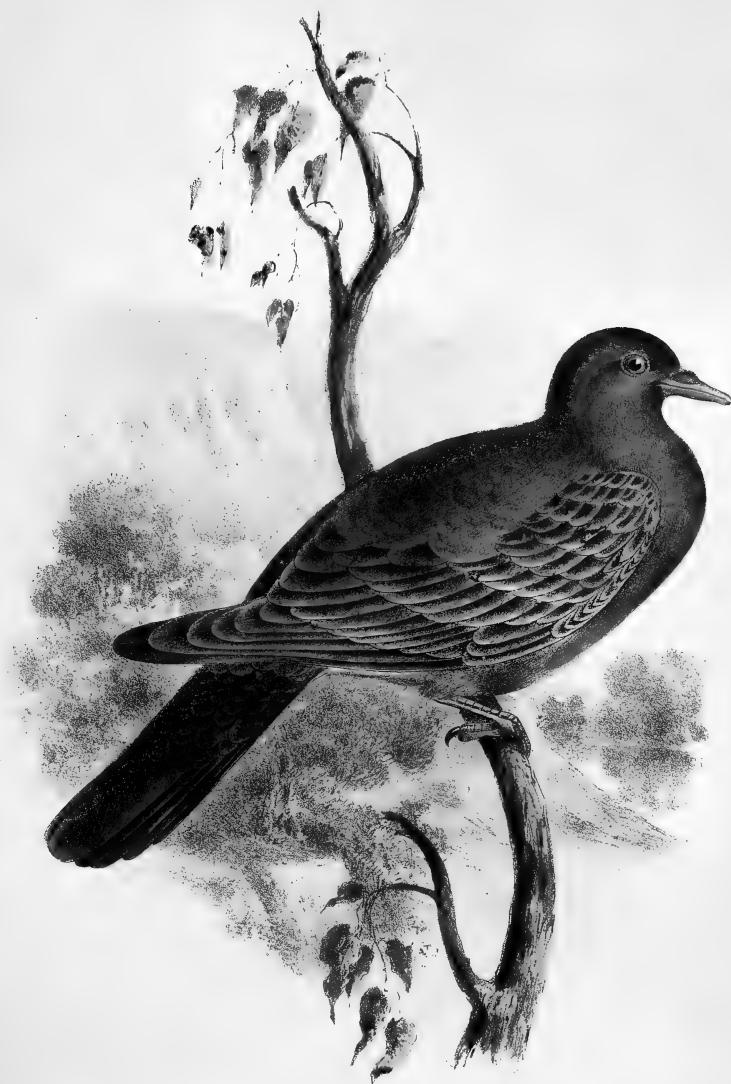
CHANGITTIA WOLDFOUSEI





1 CYANOCITTA SORDIDA.—2 CYANOCITTA ULTRAMARINA (B. & T.).



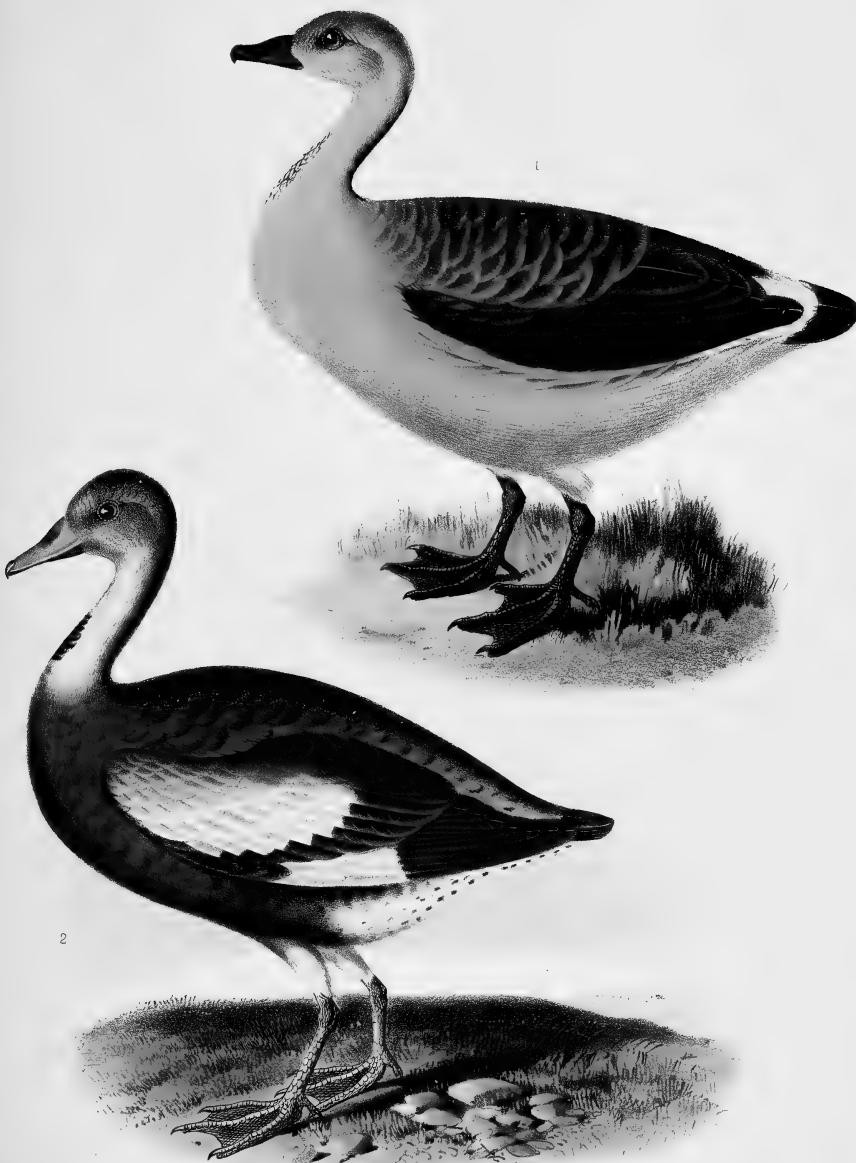


CUQUINA - FLAVIROSTRIS

Lith. et col. Bowen & Co., Philad.



ORTYX TEXANUS.



1. DENDROCYGNA FULVA. S. D. AUTUMNALIS







ASTURINA NITIDA. 1. Adult. 2. Young





ROSTRHAMUS SOCIABILIS. 1. Adult. 2. Young



7 1/2

Bowen & Co Lith & col. Philad.

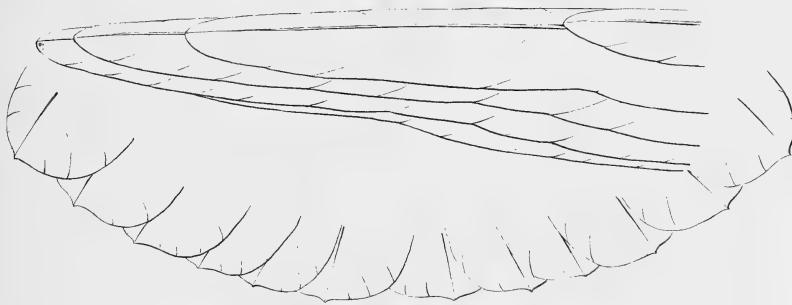
SYRNIA OCCIDENTALE.



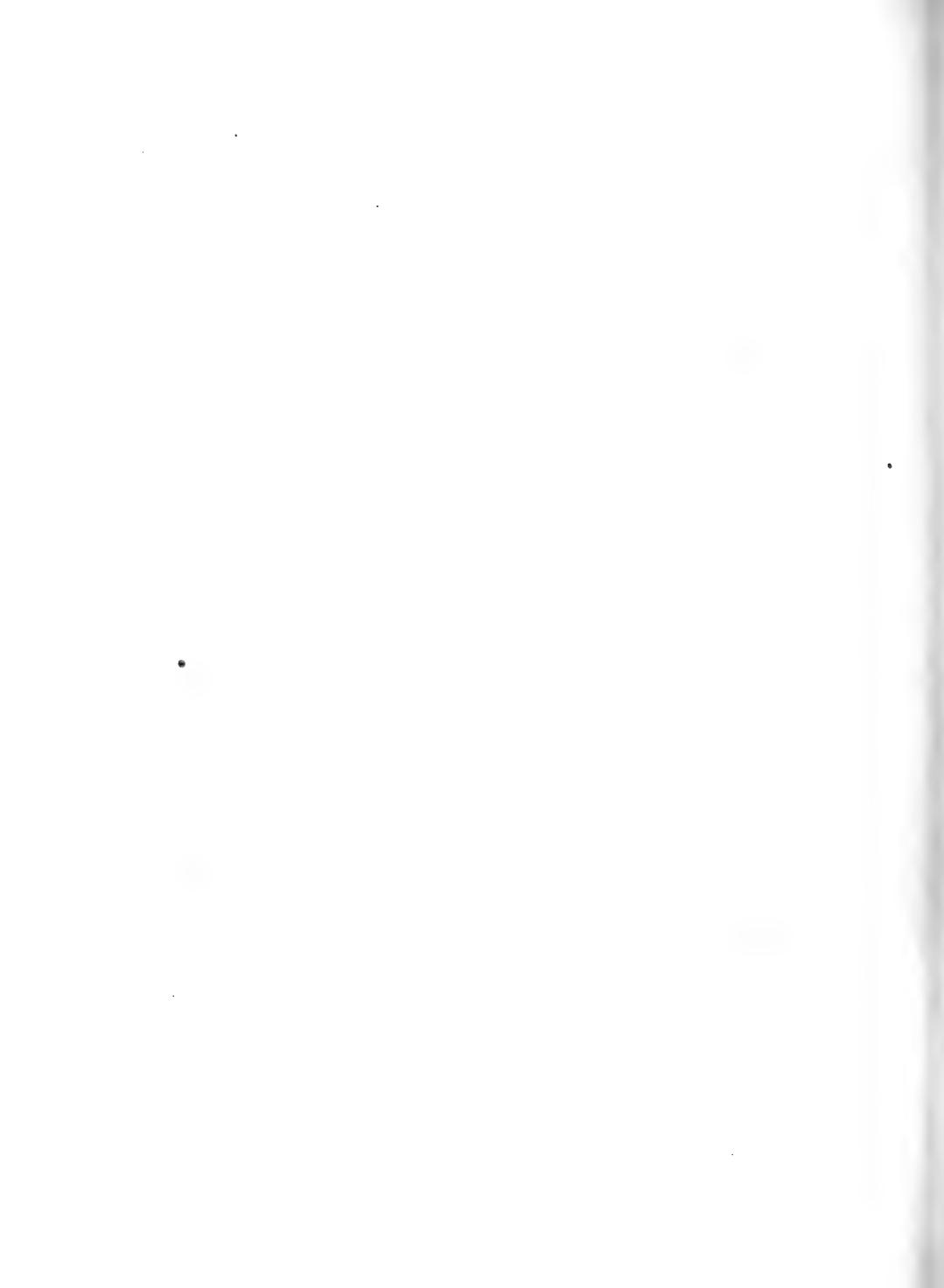




2



1. CORVUS FLORIDANUS. 2. C. OSSIFRAGUS



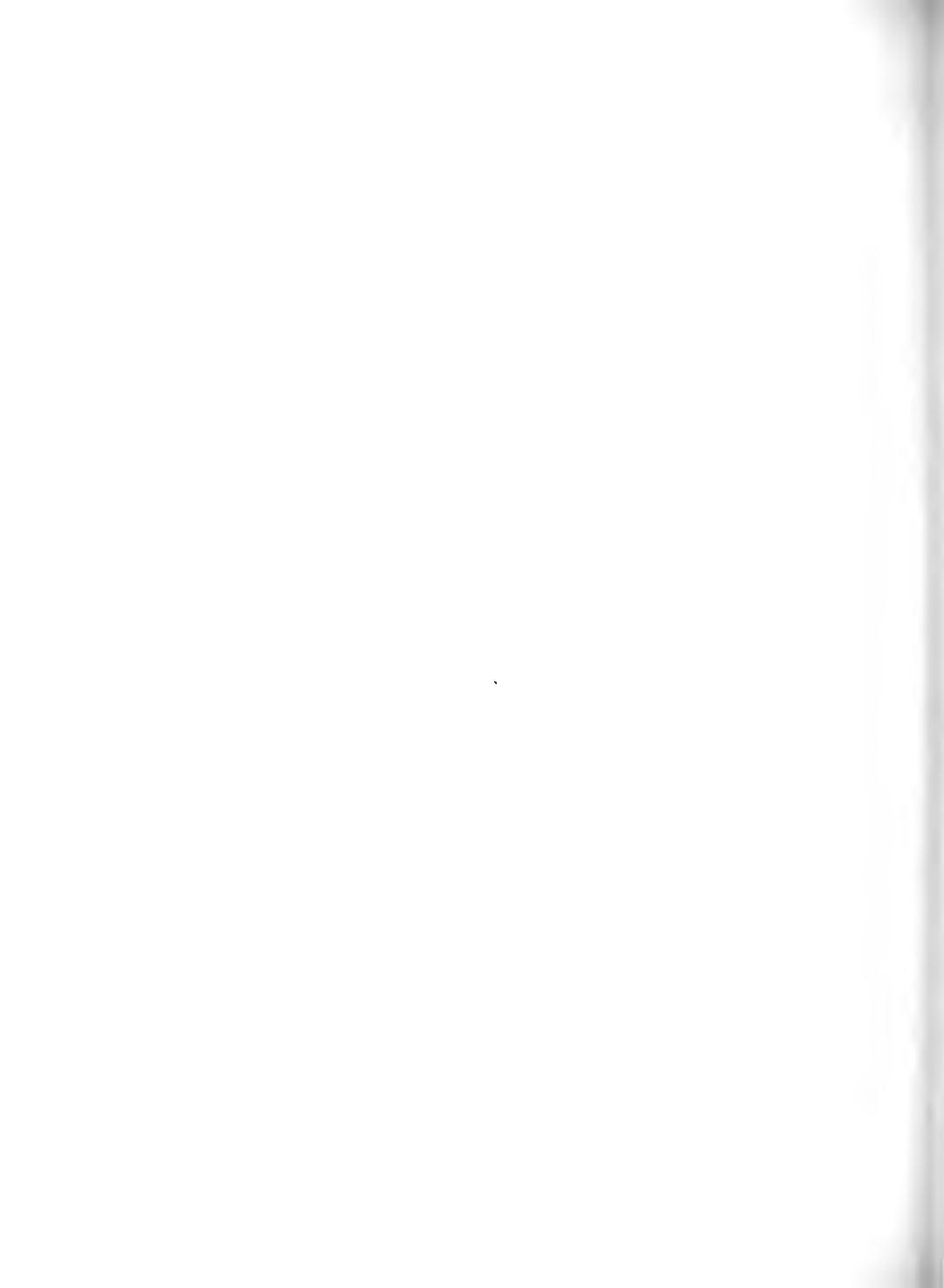




I. *PSILORHINUS MORIO*. 1. Male. 2. Variety with yellow bill



1. *ZONOTRICHIA GAMBEIJI*. 2. *Z. LEUCOPHRYS*. 3. *PASSERELLA SCHISTACEA*. 4. *P. MEGARHYNCHUS*.





I. MELOSPIZA HEERMANNI. 2. M. GOULDII.

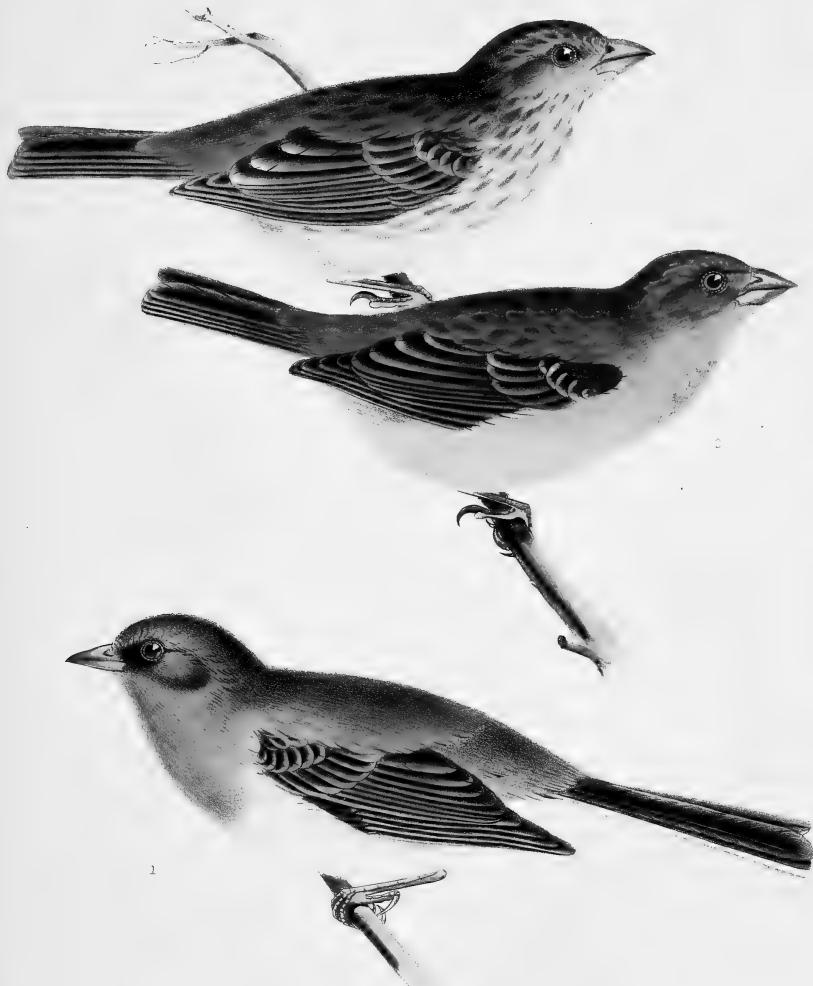


Drawing by S. C. Smith & Co., Philad.

1. *AMMODROMUS SAMUELIS*. 2. *EUPHONIA ELEGANTISSIMA*, M. & J. Gould.







Bowen & Co. lith. & col. Philada.

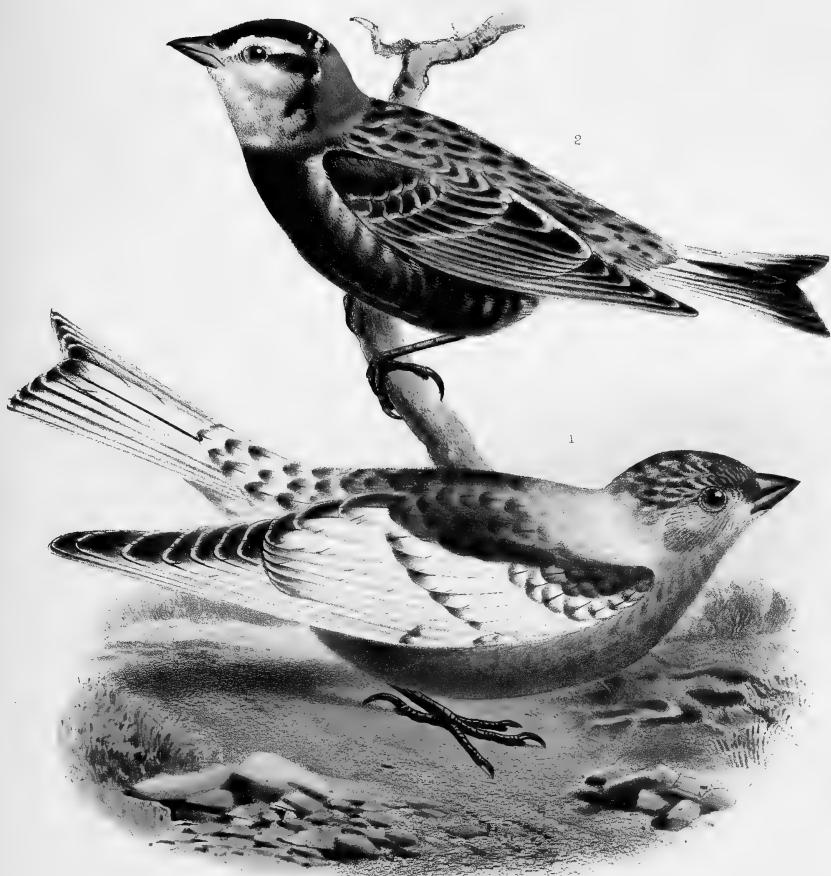
1. JUNCO CANICEPS. 2. CARPODACUS CALIFORNICUS, Male. 3. Female.



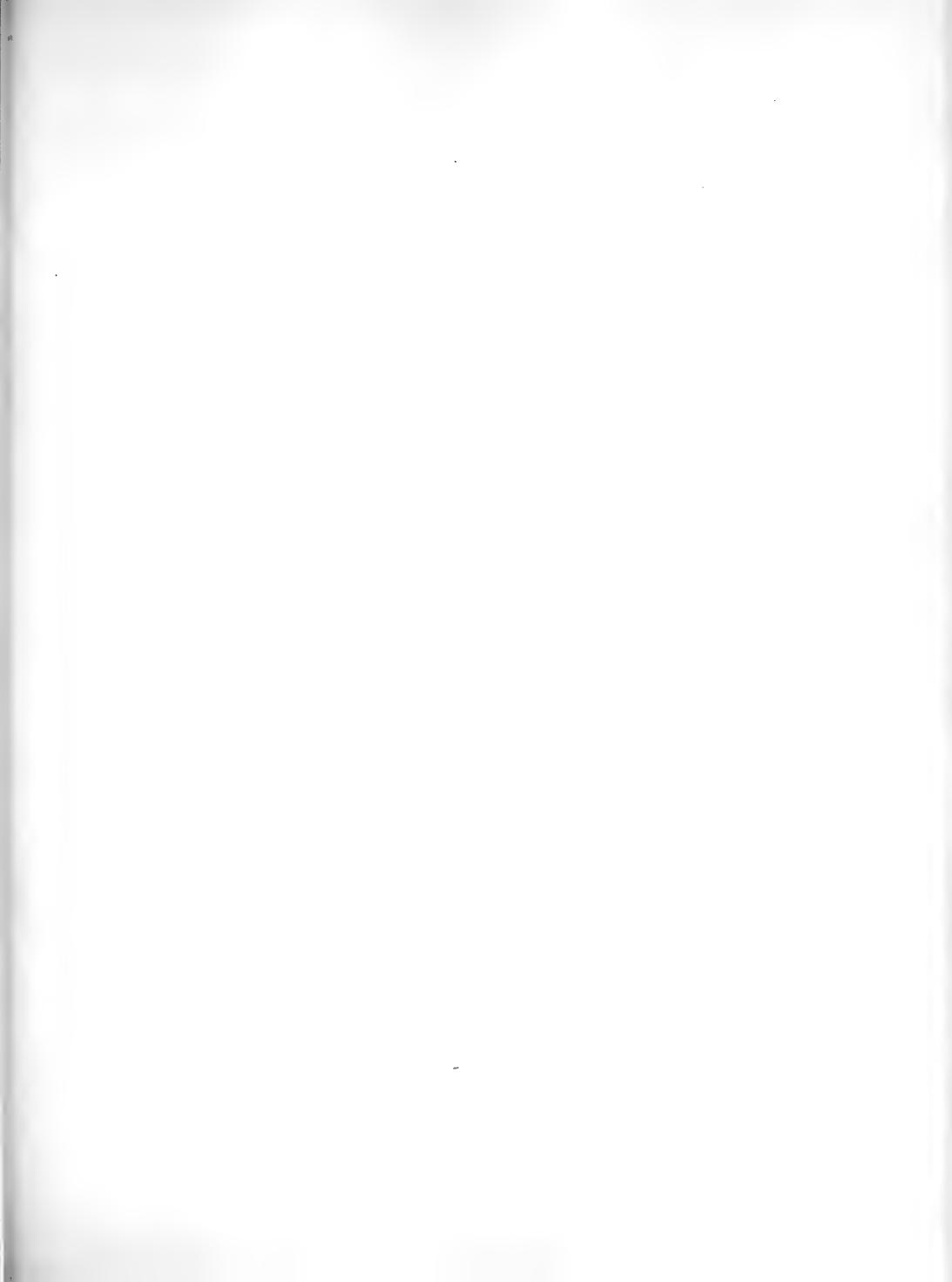


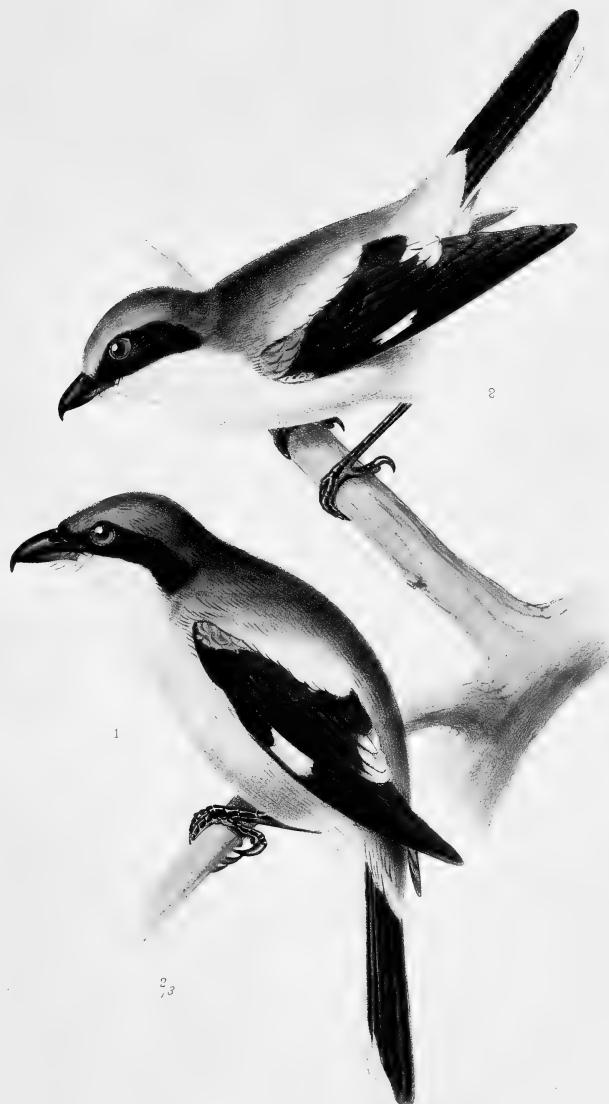






1. LEUCOSTICTE ARCTOUS 2. PLECTROPHANES MELANOMUS





Bowen & Co lib & col Philada

1 COLLYRIO ELEGANS. 2. C EXCUBITOROIDES.





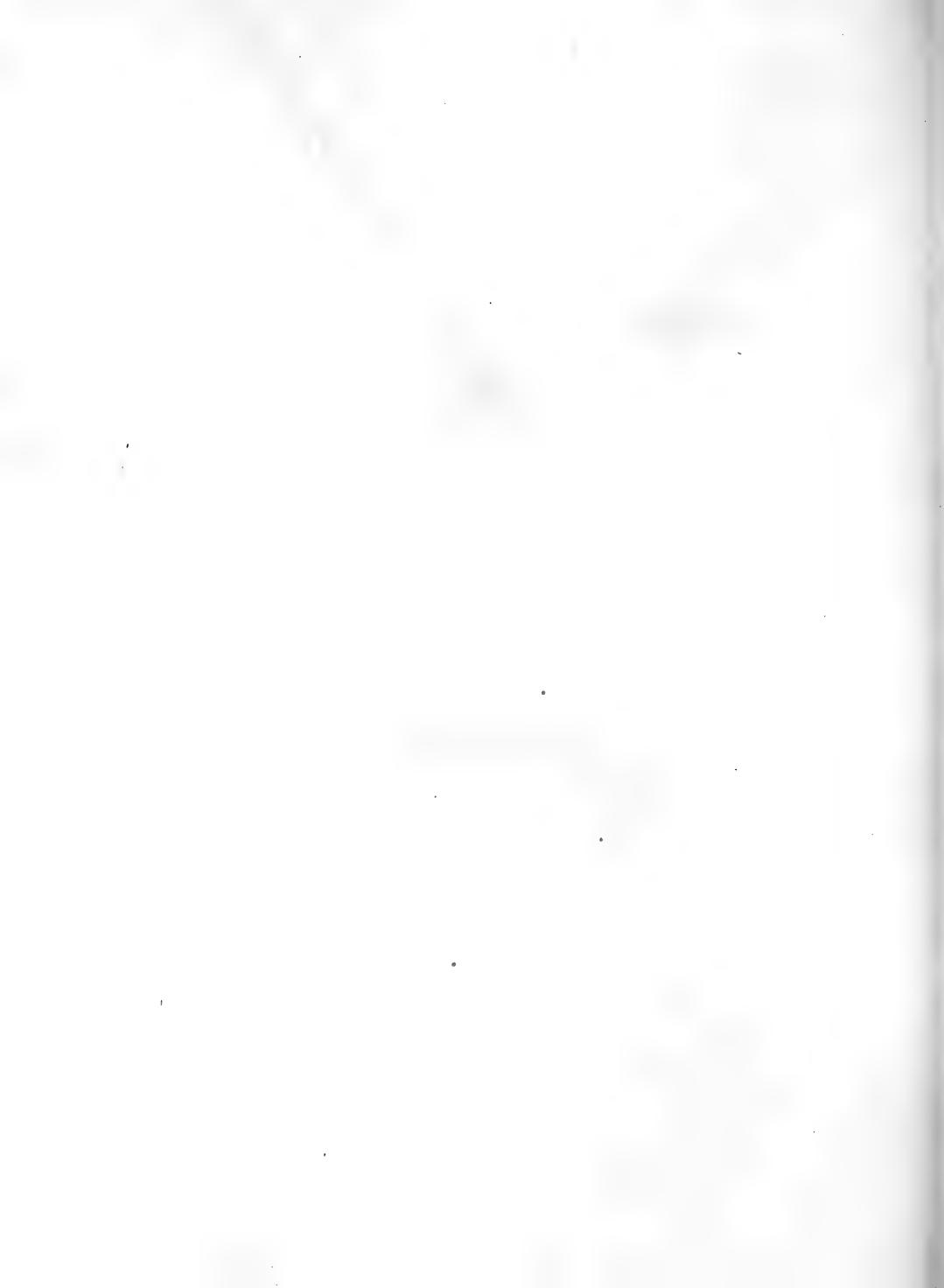


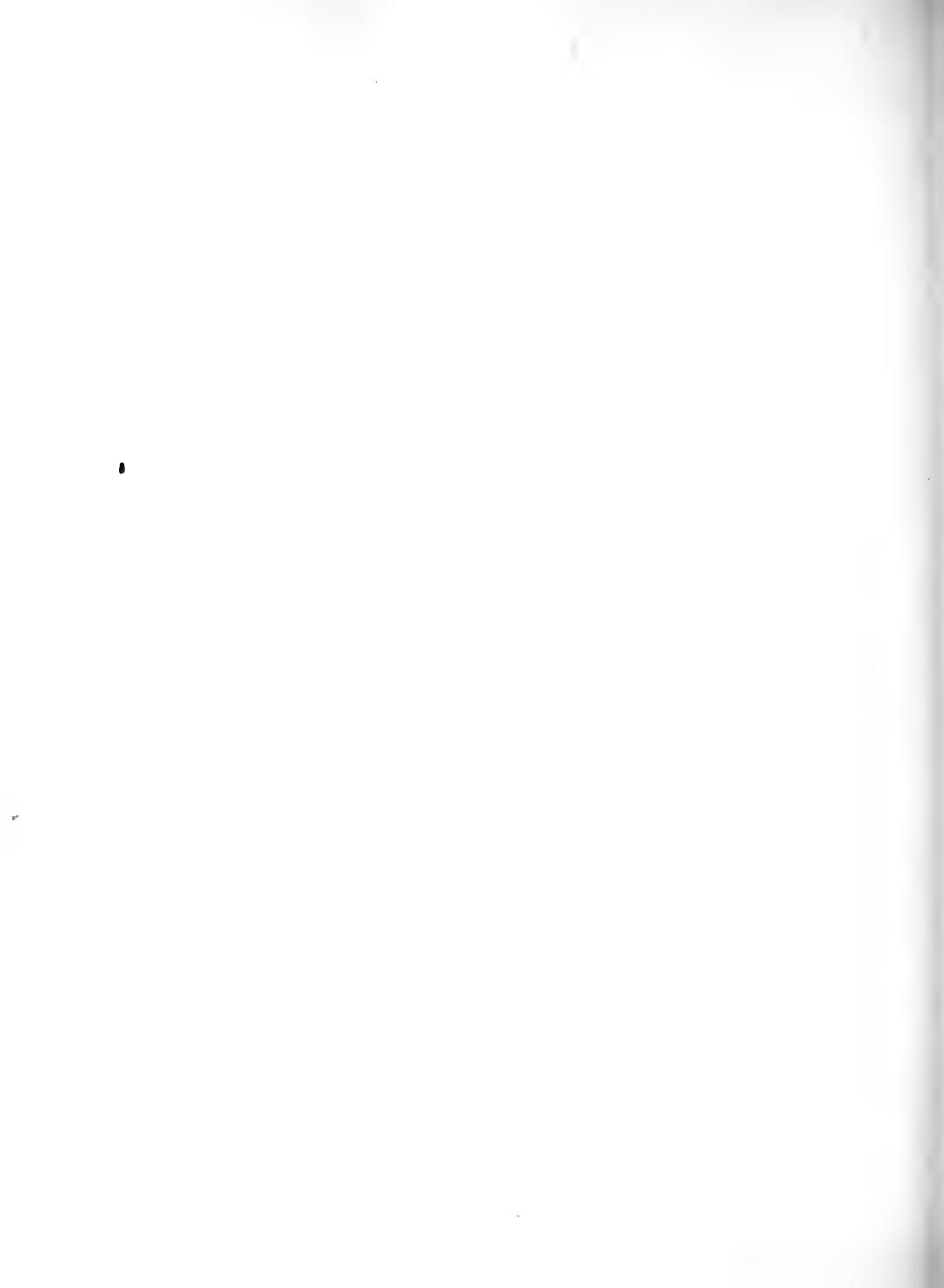
Bowen & Co. lith & col. Philada

1. EMPIDONAX HAMMONDI. 2. E. DIFFICILIS



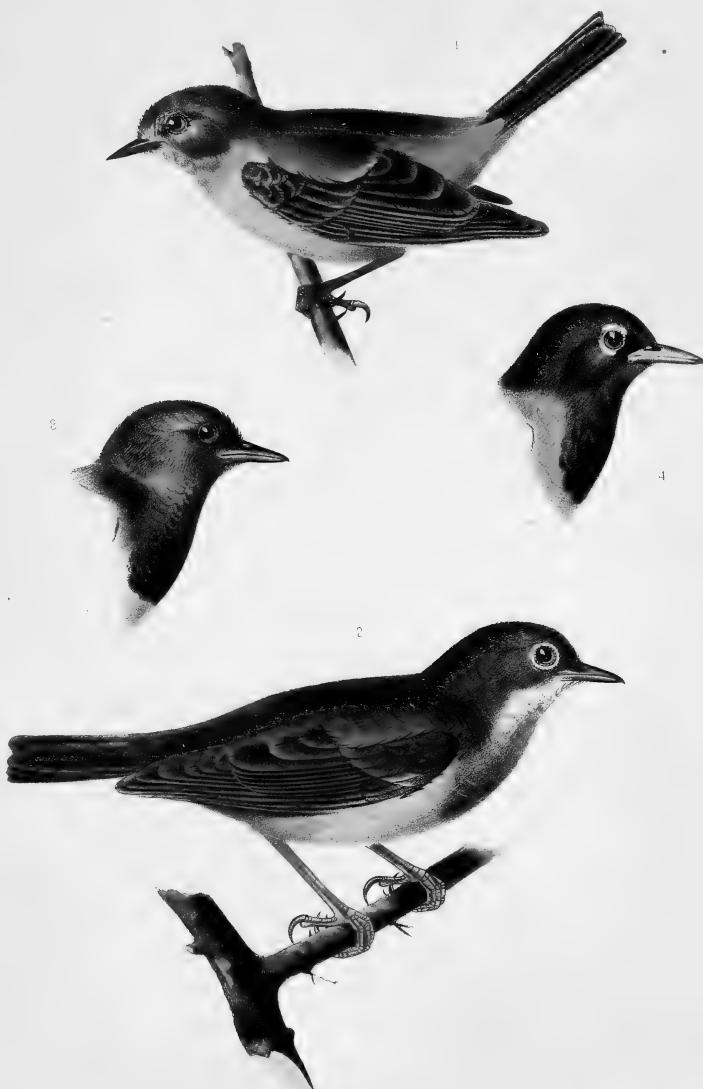






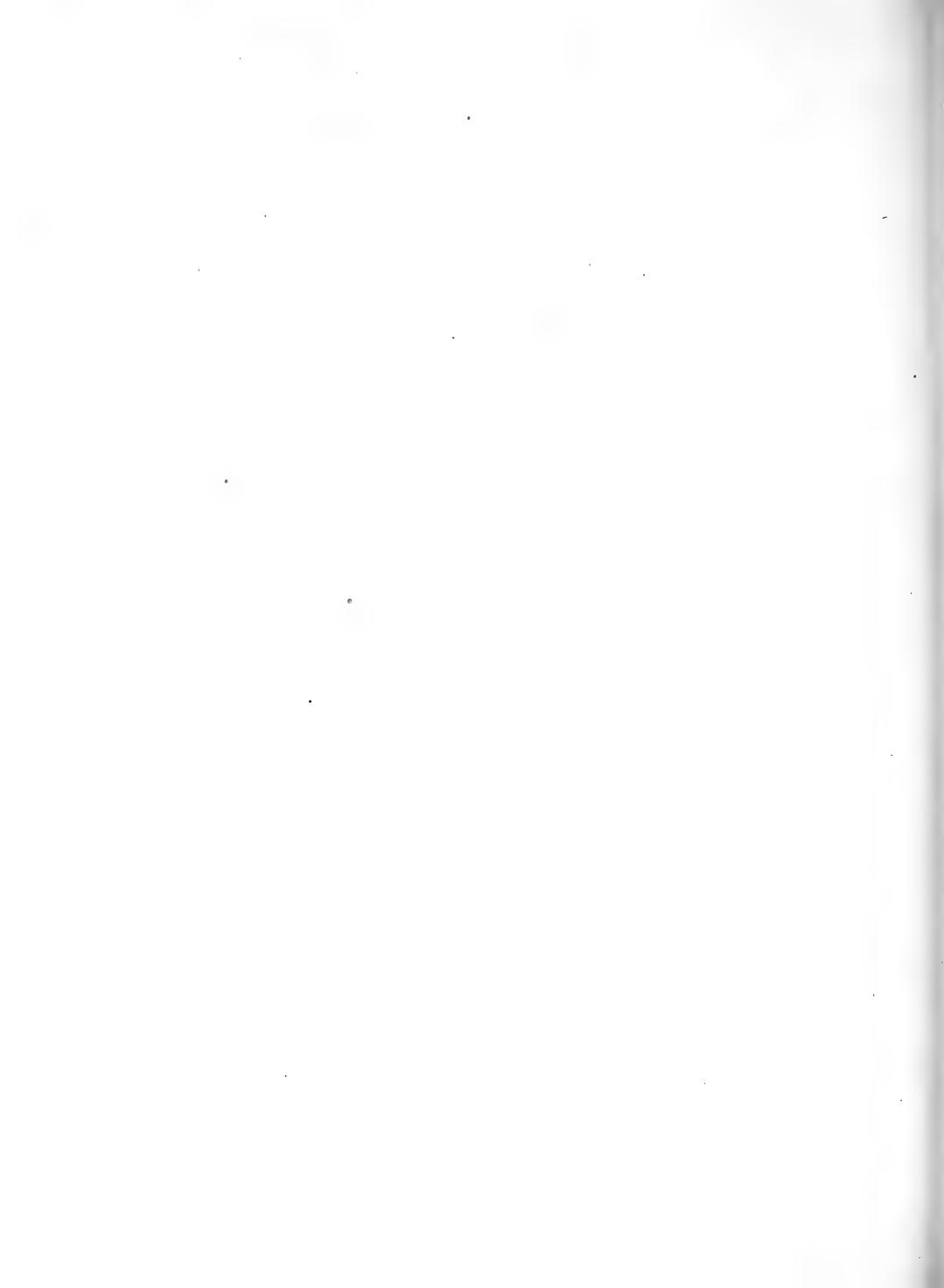






1. *HELMINTHOPHAGA VIRGINIAE*. 2. *OPORORNIS AGILIS*.
3. *GEOTHLYPIS PHILADELPHIA*. 4. *G. MACGILLIVRAYI*.

Brown & Smith & Co., Philad.



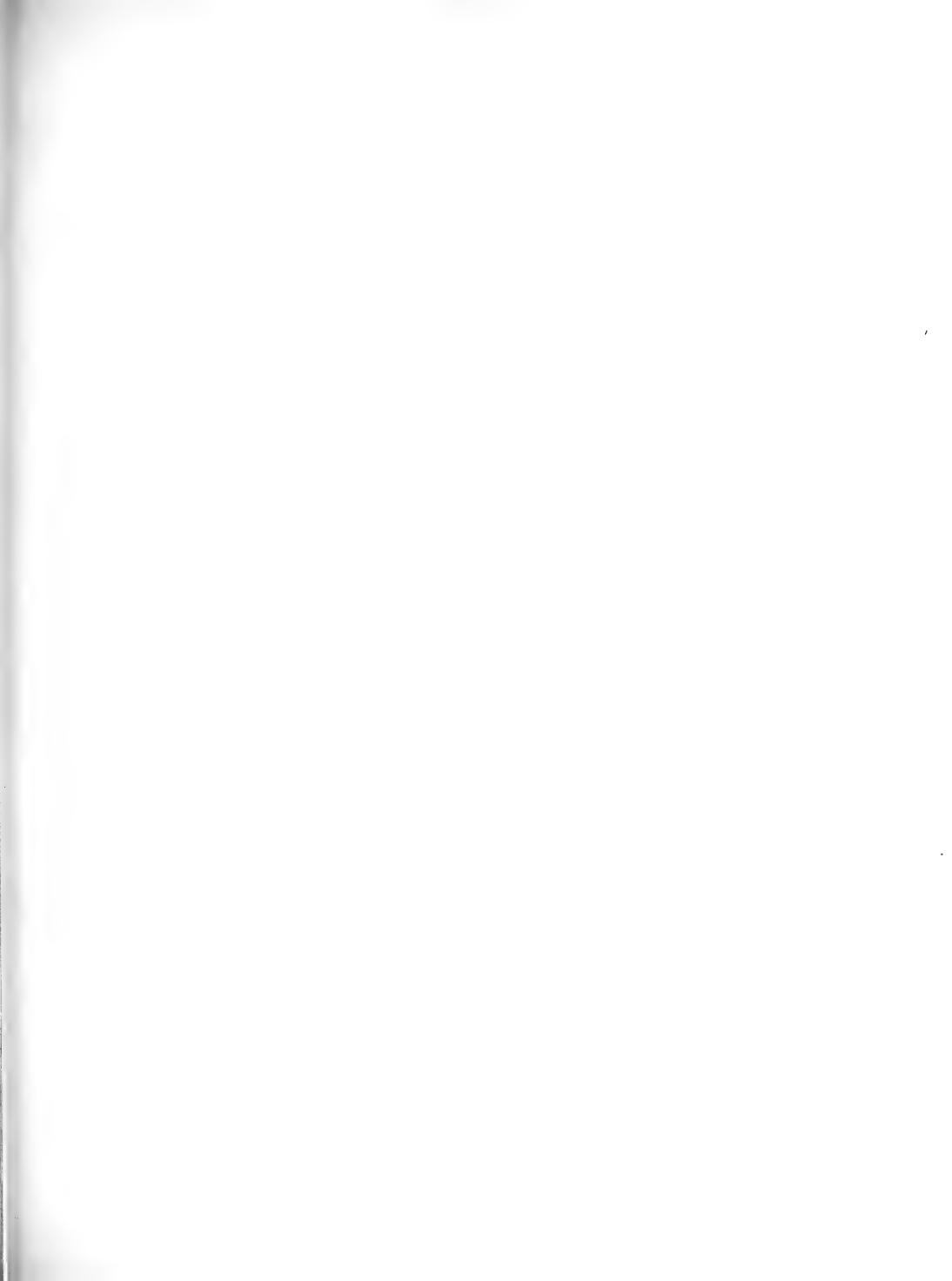






Bowen & Co. lith. & col. Philads.

1. SEIURUS NOVEBORACENSIS. 2. S. LUDOVICIANUS.







2/3









Bowen & Co. Lith. & col. Philada.

TOXOSTOMA CRISSALIS.







Blanchard & Smith, Philadelphia.

1. *THRIOTHORUS BERLANDIERI*. 2. *CERTHIA MEXICANA*3. *CERTHIOLA FLAVEOLA*.







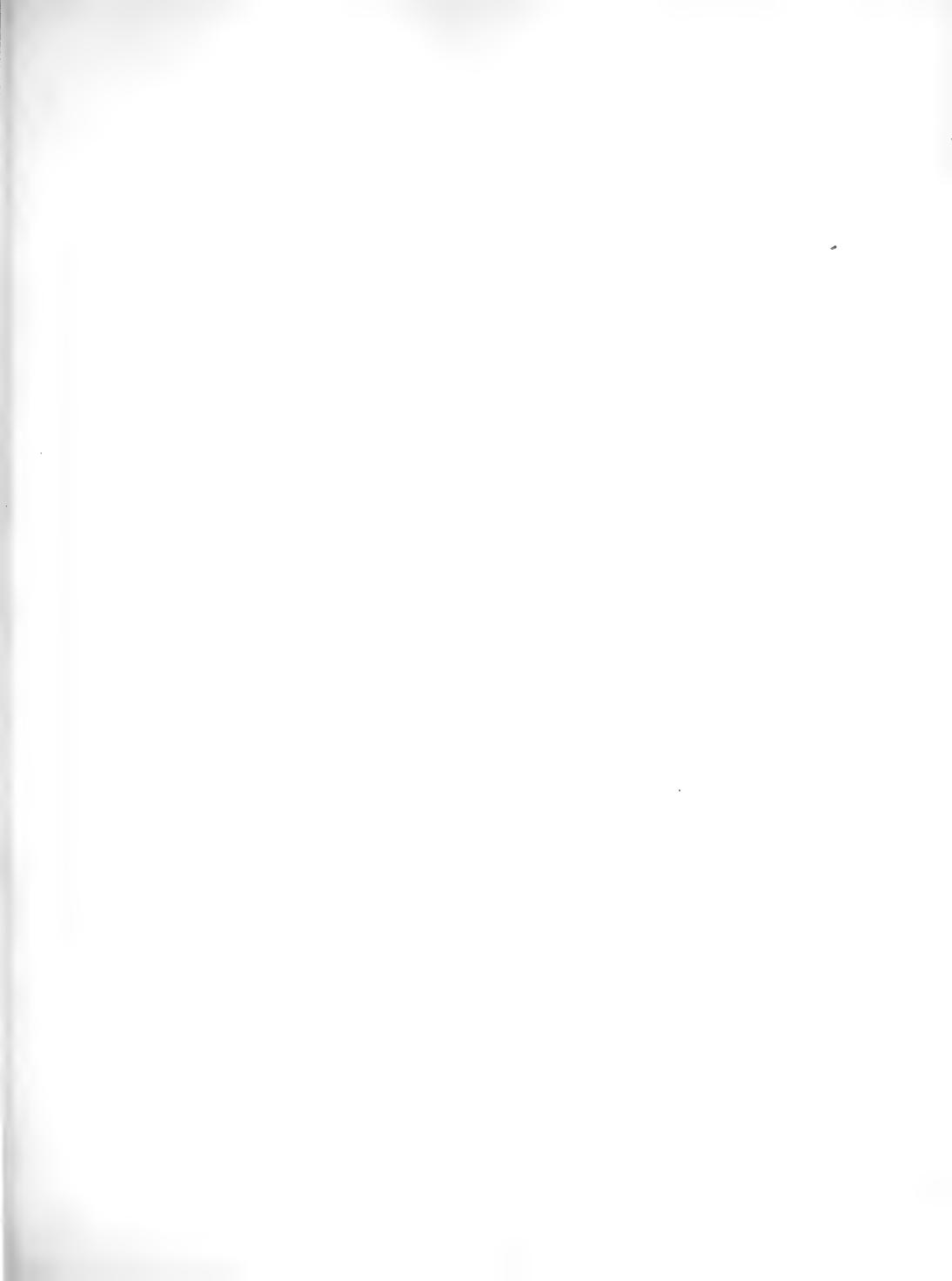
2/3

2

Bowen & Co. lith. & col. Philada.

1. CROTOPHAGA RUGIROSTRÀ. 2. C. ANI.







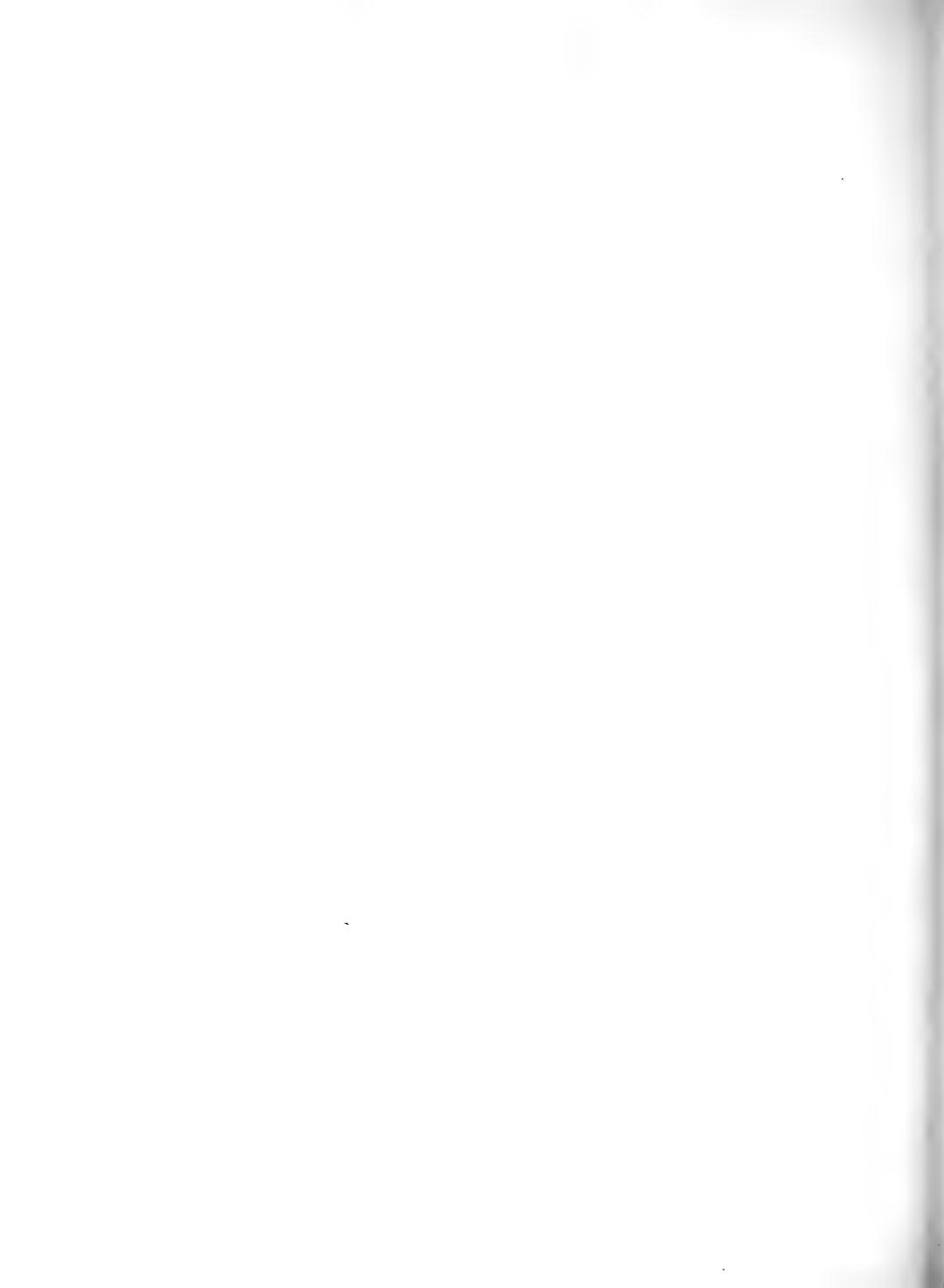


Brewer's Birds of North America.

1. PICOIDES DORSALIS. 2. PICUS GARDNERI, Male. 3. Female.









ARDEA WÜRDAMNI.



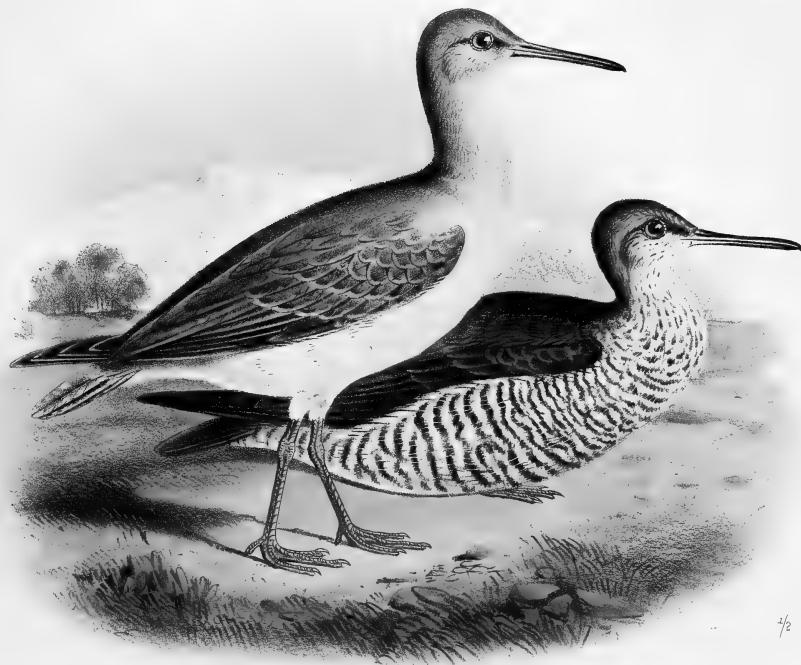




70







72







1

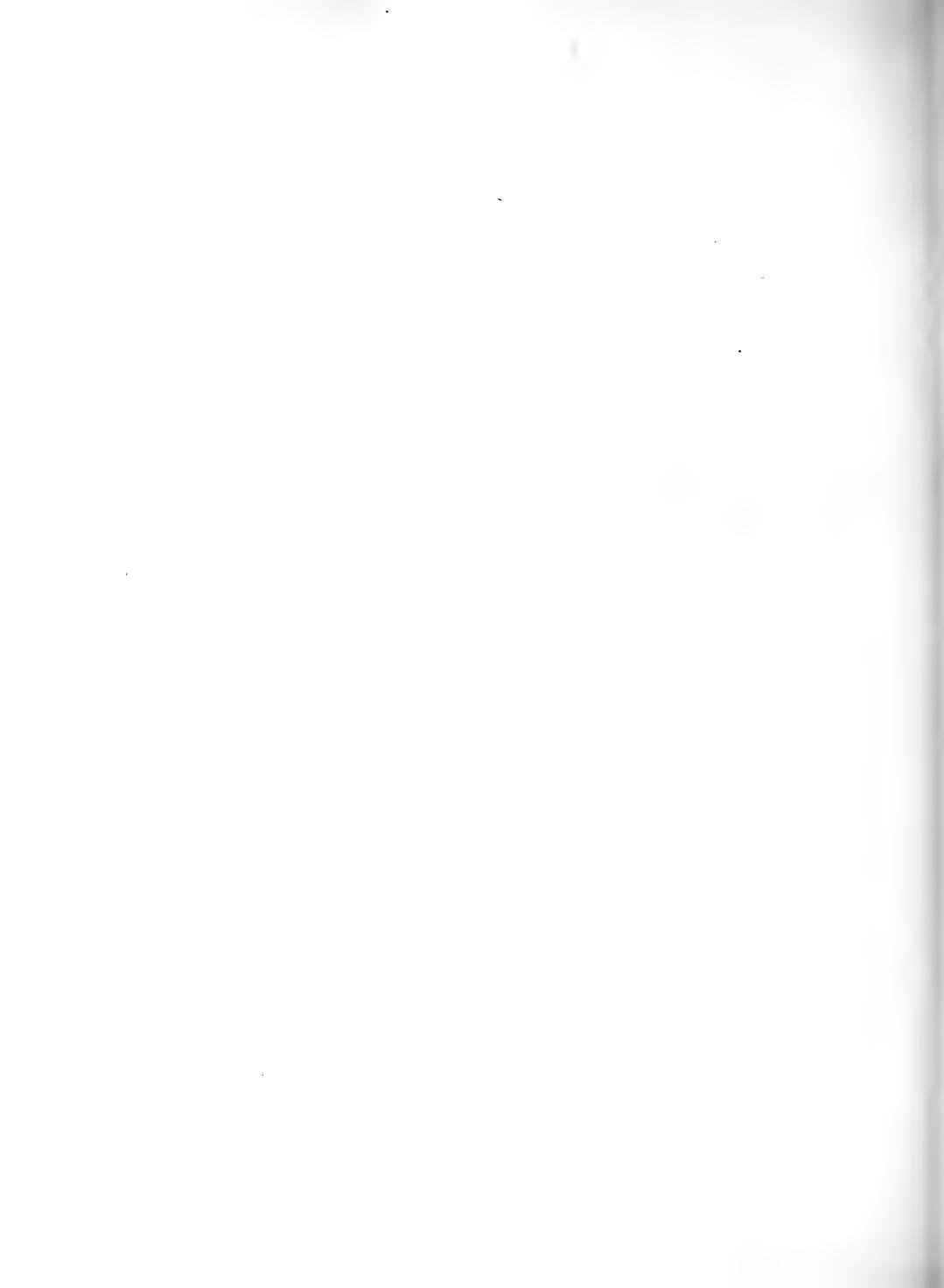


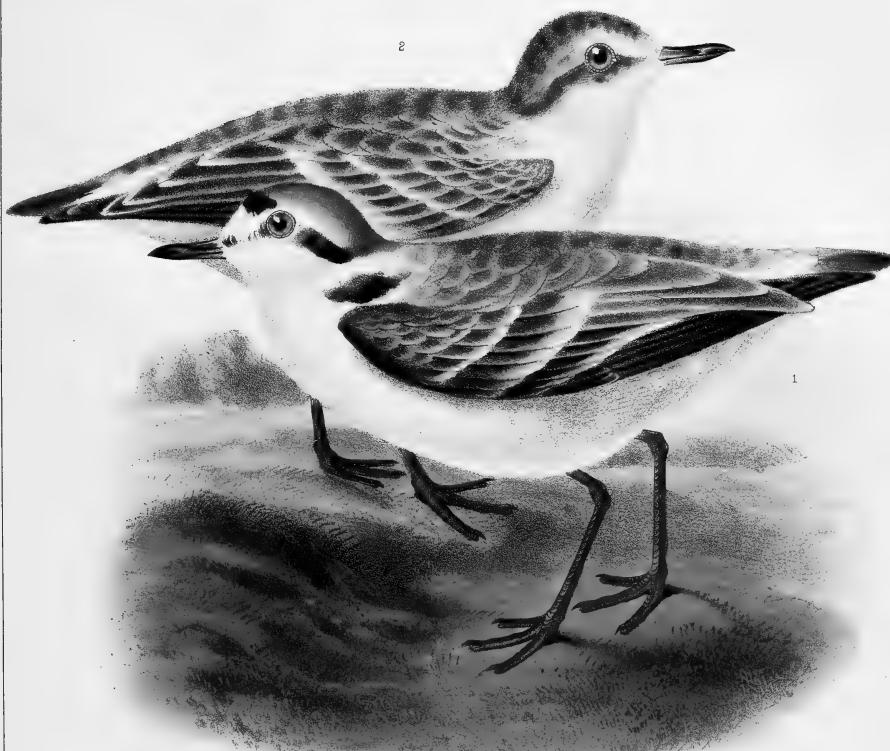
2

Bowen & Co Lith. &c. col Philade

1. TRINGA COOPERI. 2. CREX PRATENSIS







Bowen & Co. lith. & col. Philada

AEGIALITIS NIVOSA. 1. Male, 2. Female.







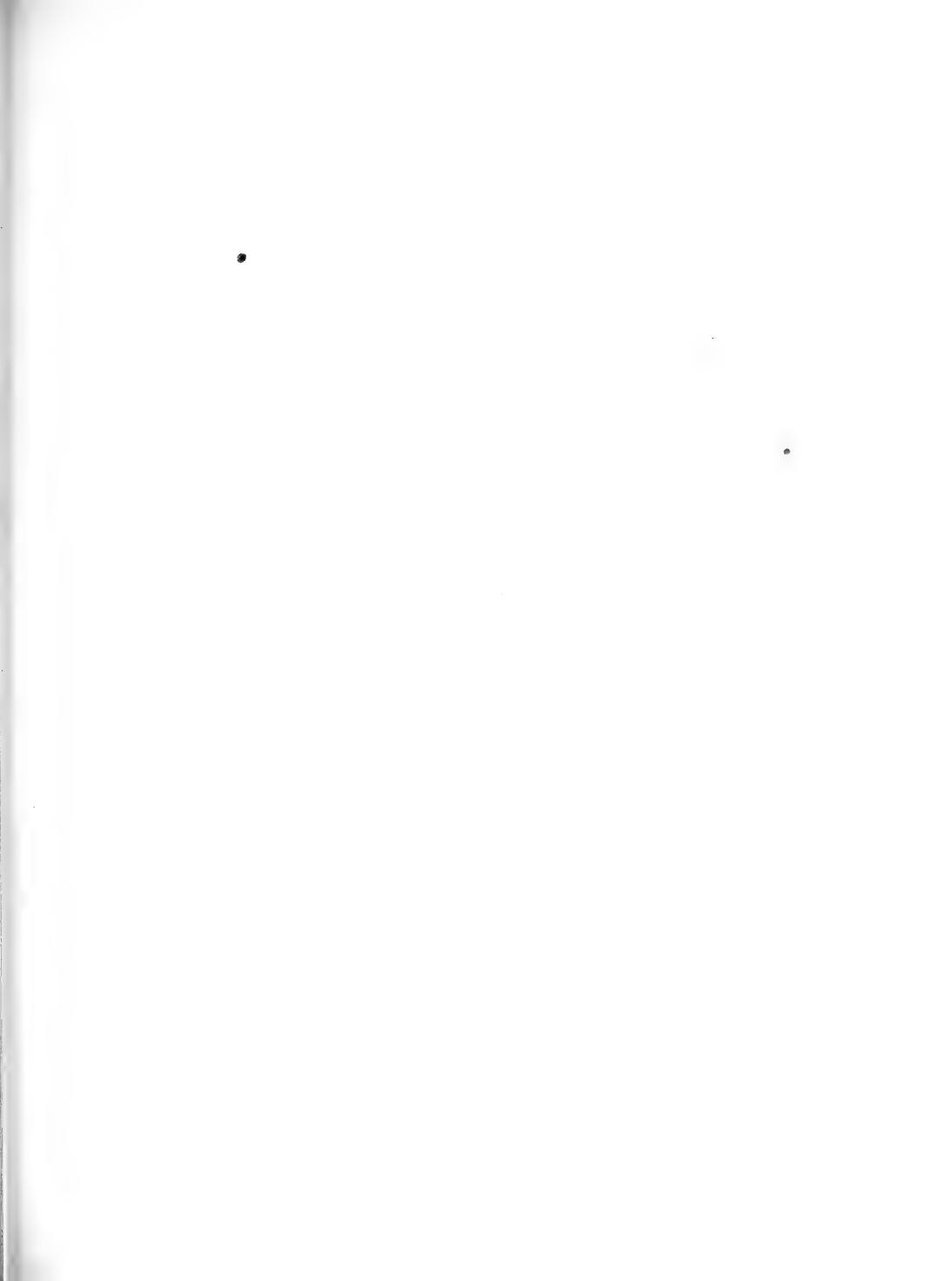
I. NETTION CRECCA. 2. MARECA PENELLOPE.







ERISMATURA DOMINICA. 1. Male. 2. Female.







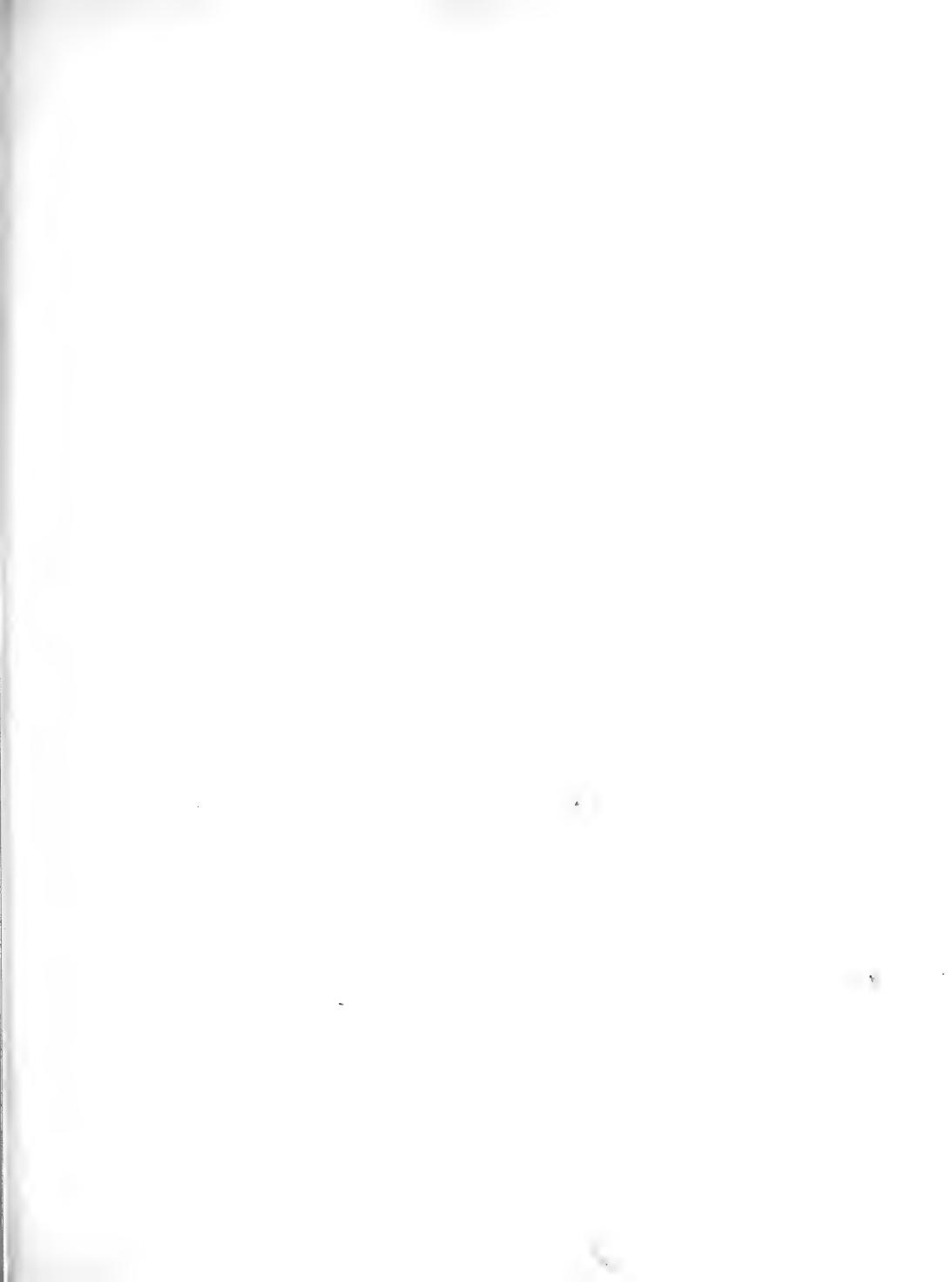
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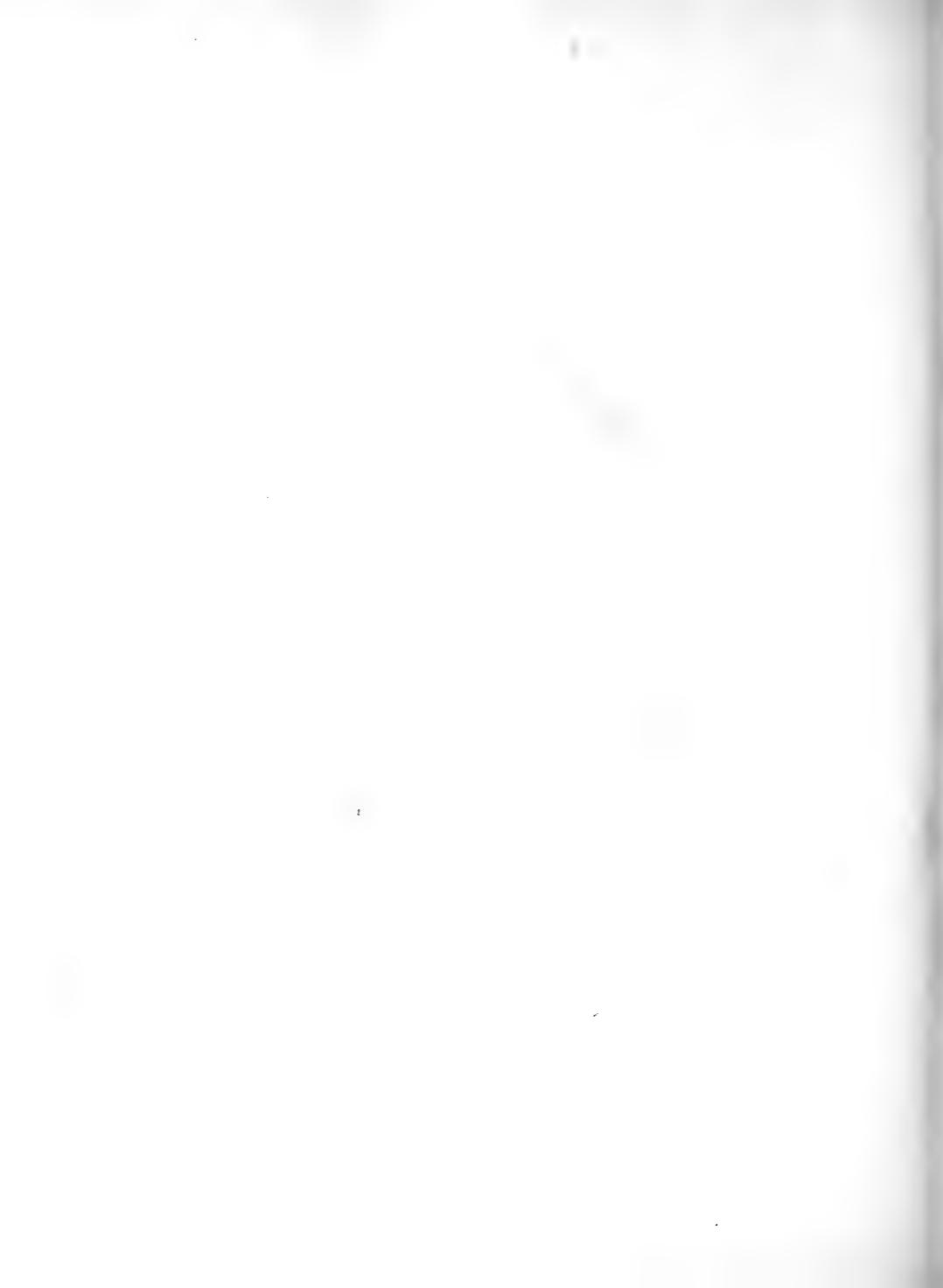


1



3











1/2

Bowen & Co lith. & col. Philada.

STERNA PIKEI.







Bowen & Co. lith. & col. Philada.

1. URIA COLUMBA. 2. U. GRYILLE.







URIA CARBO

PLATE XCVR







ORACULUS MEXICANUS.







2



1

