

N.P.

THE
SPOONBILL
Volume II Number 10.
APRIL 1954

.....
No one would want to engage in "Big Day" or "Round-up" endurance tests every week end but once or twice a year it is great sport, -- a test of the skills acquired by months and years of bird watching. -- Roger Tory Peterson in Birds of America. (Paraphrased)
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SCHEDULED: Sunday, May 2nd - HOUSTON SPRING ROUNDUP

ANNUAL SPRING ROUNDUP - SUNDAY, MAY 2, 1954

Final plans have been laid for the Houston Spring Roundup which we hope will produce the biggest count on record. This year we will attempt to cover an area of 100 miles in diameter, bounded by San Luis Pass - Angleton - Rosenberg - Waller - Montgomery; and including Houston, Galveston, Baytown, La Porte, etc.

All who wish to participate in this mammoth bird-lising venture and who have not yet been contacted, please call our Coordinator, Mrs. Massingall, at 314 Hutcheson, Phone - FAirfax 7766.

In order to assure maximum possible coverage of the area as outlined above, we urge all who are planning to make May 2nd their "Big Day" to send in a copy of their check-list to the Editor, Noel Pettingell, 1814 Berry St., Houston 4, Texas. Be sure to include the names of those in your party, total mileage, and route and/or area covered. The final results will be published in the May SPOONBILL. Last year we finished 3rd in the Nation with 222 species, -- exceeded only by the Delaware Valley Ornithology Club's 230 and the Rio Grande Valley's 244. See this issue "For Your Information" for additional data on Spring "Roundups".

DID YOU KNOW That the Swallows (Cliff) returned to San Juan Capistrano Mission in Southern California on St. Joseph's Day, March 19th, again this year -- the same date on which they have returned to the Mission for the past 100 years.....?

FOR YOUR INFORMATION ----- RECORD SPRING ROUNDUPS AND BIG DAYS -----

| I. Area Roundups (Single-Day) | Species | Locality | Date | Parties | Observers |
|--|----------------|---|---------------------------|--------------------------------------|-------------------------|
| | 244 | Lower Rio Grande Valley, Texas | April 19, 1953 | 10 | 38 |
| | 239 | S.N.J., SE Pa., N.Del., SE Md. | May 11, 1952 | 22 | 104 |
| | 222* | Harris-Galveston -Chambers Co.s, Texas | April 26, 1953 | 8 | 41 |
| *incl. Rock Dove | | | | | |
| II. Party Roundups (Single-Day) | Species | Locality | Date | Observers | Leader |
| | 208 | S.N.J., SE Pa., E.Del., SE Md. | May 10, 1952 | 6 | David Cutler (D.V.O.C.) |
| | 204 | Rockport, Texas | April 25, 1953 | 6 | Connie Hager |
| | 172 | E.N.J. | May 14, 1953 | 12-15 | Charles Urner |
| III. Best Single-Day Count by One Person | Species | Observer | Date | Locality | |
| | 204 | Connie Hager | April 25, 1953 | S. Central Coast of Texas | |
| | 178 | David Cutler (D.V.O.C.) | May 10, 1952 | S.N.J., SE Pa., E.Del., SE Md. | |
| | 172 | Roger T. Peterson (Urner Club) | May 14, 1953 | E. New Jersey | |

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FOR YOUR INFORMATION - Cont'd

IV. Houston Area Records: Best Roundup - 222 Species.
Best Party Total- 165 Species - April 21, 1950.
 (J. Heiser, G. Williams, & Mr. & Mrs. Hamilton)

CLEARING HOUSE

The month of March produced its usual number of interesting observations by our energetic Houston birders, which are chronologically listed below:

- March 3 - Spoonbills returned, Galveston Bay. (M.A.Y.)
 March 7 - Chimney Swifts (first noted by D. Safley, Feb. 19). Seen by Edna Miner and party near Seabrook, SE Harris County.
Black and White Warbler observed by Mr. & Mrs. Fred Webster at Seabrook.
 March 20 - Common (American) Merganser (female) first noted in Hermann Park Lake (among Lesser Scaup and Pied-Billed Grebes)....Still there as of April 4th. (N.P.)
 March 21 - Short-eared Owl seen at Galveston Island Ball Park. (M.A.Y.)
Bonaparte's Gull (in winter plumage) ... Bolivar Peninsula. (N.P.)
 March 27 - Scissor-tailed Flycatchers, Golden and Upland Plovers numerous along Westheimer Road SW of Houston; Buff-breasted Sandpiper, also noted. (Leota Stillwell and Norma Oates)
 March 28 - Approx. 800 Broad-winged Hawks observed by Mrs. Miner Hurst at 5219 Young Street in Houston, and approximately 150 of them at San Jacinto Battleground by Darris Massingill, Leota Stillwell, Norma Oates, and Ruth Moorman.
 Several Cinnamon Teal were also seen by the last four birders at Sheldon Reservoir.
Marbled Godwits, Turnstones, and Tree Swallow's (approx. 1000 also March 27) were seen by M.A.Y. at Galveston.

Omitted from February "Clearing House":

- Feb. 14 - Yellow-headed Blackbird seen by Mrs. Massingill, et al on Sandhill Crane Field Trip in Ft. Bend, Colorado and Wharton Counties.
Yellow-throated and Palm Warblers, along with Harris's Sparrows, were seen on Gears Road some 7 miles N. of Houston by Mr. and Mrs. M. A. Hurst.

 We hope this issue will reach everyone in time for the Big Roundup on May 2nd. A delay in printing the Spoonbill held up our April issue and therefore we have cut down material to get this issue out to you. Expect to back on schedule with the May SPOONBILL.

Noel Pettingell, Editor
 1814 Berry Street,
 Houston 4, Texas
 April 4, 1954.

THE UNIVERSITY OF CHICAGO

Department of Chemistry
Chicago, Illinois

LEARNING GOALS

The purpose of this course is to provide the student with a thorough understanding of the principles of chemistry, which are essential for the study of the physical sciences.

At the end of this course, the student should be able to:

1. Calculate the molar mass of a compound from its chemical formula.

2. Write the chemical formula of a compound from its name.

3. Balance chemical equations.

4. Calculate the percent composition of a compound.

5. Calculate the empirical formula of a compound from its percent composition.

6. Calculate the molecular formula of a compound from its empirical formula and its molar mass.

7. Calculate the number of moles of a substance from its mass and molar mass.

8. Calculate the mass of a substance from the number of moles and its molar mass.

9. Calculate the volume of a gas from the number of moles, pressure, and temperature.

10. Calculate the number of moles of a gas from its volume, pressure, and temperature.

11. Calculate the mass of a gas from its volume, pressure, and temperature.

12. Calculate the volume of a gas from its mass, pressure, and temperature.

13. Calculate the number of molecules of a substance from the number of moles and Avogadro's number.

14. Calculate the mass of a substance from the number of molecules and its molar mass.

15. Calculate the number of molecules of a substance from its mass and molar mass.