rived at the present condition in every direction in which human industry has been exerted, — a graphic history of the development of the human culture and civilization."

These are Mr. Goode's own declarations of what seem to be the vital intentions of his scheme; and it is therefore a serious error, both practically and theoretically, when he places the natural history of man, including his psychology and individual manifestations, at the head of his scheme, in place of making this department the terminal one, to be viewed by visitors only after they had gone through with all the other departments.

The author has arranged the sections and sixty-four topics according to a system which is artificial, and irreconcilable with his intentions and his general objects, and shows this in the place assigned to mankind. Man is essentially the product of the forces which have acted upon this earth. Without going into the question of whether these forces were divine or material, which is of no value in such a technical discussion, it is certainly very illogical to place the conclusion before the beginning, the consequent before the antecedent, man before the earth. This may be very satisfactory to those who need, or think they need, to perpetually swing the censer before the old idol of man's supremacy in the universe; but it is none the less unnatural and illogical to have one mode of arrangement for the parts of a great collection, and another for the whole.

In a future number we shall consider some of the minor features of this elaborate scheme.

LIST OF TWENTY-THREE NEW DOUBLE STARS, DISCOVERED AT CAROLINE ISLAND, SOUTH PACIFIC OCEAN, BETWEEN APRIL 27 AND MAY 7, 1883, BY E. S. HOLDEN AND C. S. HASTINGS.

Star.	α, 1880.0.	δ, 1880.0.	p.	s.	Mags.	Observer.	Date.
	h. *m.* *s.*						
Stone, 5791	10 28 35	−54° 46′	250°	2″	8.5 – 9	Holden	May 1.
Anon.	11 31 28	−60 14	350	1½	8.5 – 9.5	Holden	April 28.
Lac., 4936	11 48 58	−55 25	230	2	7.5 – 8	Holden	May 1.
Anon.	11 57 40	−57 5	240	1½	8.5 – 9.5	Holden	May 4.
Lac., 5223	12 31 24	−55 16	205	1½	7.3 – 9.3	Holden	May 1.
Anon.	13 1 16	−52 5	200	1¼	9.5 – 9.5	Holden	May 4.
Lac., 5434	13 6 59	−62 57	40	1½	7.5 –10	Holden	May 6.
Lac., 5738	13 48 28	−53 33	330	2	6.5 – 8.5	Russell	A. B.
			290	25	6 5 –13	Holden	May 2, A. C.
Lac., 5817	13 59 56	−49 18	30	¾	7.5 – 7.5	Hastings	May 1.
Lac., 5844	14 6 14	−61 9	180	3½	7 – 9	Hastings	May 2.
Lac., 6066	14 41 16	−72 42	90	1½	6 – 8	Hastings	May 2.
Lac., 6136	14 50 35	−67 30	0	5	7 –10	Hastings	April 27.
Anon.	15 2 18	−40 31	70	4	7 – 8	Hastings	May 4.
Stone, 8250	15 3 33	−51 38	220	3	7.5 – 9	Holden	May 2.
Lac., 6259	15 6 36	−60 27	300	12	6.5 –13	Hastings	April 27.
Anon.	15 7 20	−68 8	0	1¾	7.5 – 9	Hastings	May 2.
Anon.	15 8 40	−53 50	170	3	8 –10	Hastings	May 1.
Stone, 8348	15 14 18	−47 29	225	1½	8.0 – 8.5	Hastings	May 1.
ϵ Lupi	15 14 32	−44 15	175	¾	3 – 6	Hastings	April 27.
Lac., 6488	15 36 11	−50 24	210	2	7 – 9	Holden	May 4.
Lac., 6540	15 44 44	−60 23	85	1	6 5 – 9	Hastings	May 2.
Stone, 9221	16 50 15	−56 25	125	2	7.5 –10	Holden	May 7.
Lac., 7315	17 23 16	−40 57	95	1	8.0 – 8.5	Holden	May 7.

THE UNITED STATES FISH-COMMISSION STEAMER ALBATROSS.[1] — II.

THE fitting-up of a small floating scientific laboratory, which might remain at sea for a month or more at a time, and yet include every necessary convenience, was a somewhat novel problem, and required a considerable amount of planning, based mainly upon past experiences of the fish-commission. The general arrangements are now, for the most part, complete, but they are subject to alteration and improvement.

The main laboratory (see figures, pp. 68, 69) is twenty feet long, twenty-six feet wide, and nearly eight feet high. The forward-end of the room is devoted to storage, and the sides and

[1] Concluded from No. 22.