

HATCHING LEPIDOPTERA THROUGH ARTIFICIAL HEAT, &c

(Continued from page 49, No. 3, 1884.)

BY PH. FISCHER, BUFFALO, N. Y.

Of the lot taken to the room Dec. 3rd, 1883, imagoes appeared as follows:—

Hem. tenuis, male, Jan. 16, 1884.	H. thysbe, female, Mch. 14.....2
" " " 27 "	" " " 30.....1
Telea poly., " " 27 "	D. undulosa, male, Apr. 8.....1
Apat. lepusc., " 27 "	Sph. drupifer. " " 18.....1
Telea poly., male, Mch. 10 "	H. tenuis, male, fem. " 23.....2
" female, " 16 "	" " " 26.....1
Pupæ from Feb. 1, 1884.	Sm. myops " May 9.....1
H. tenuis hatched 1 male, Feb. 24	" female " 11.....1
" " 2 females " 26	D. choerilus, male " 11.....1
" " 1 male 27	Sm. myops " " 13.....1
" " 1 " Mch. 1	" female " 14.....1
" " 1 female " 3	C. promethea, male " 30.....1
" " 1 male " 4	S. cecropia, female " 31.....1
" " 1 " " 13	T. polyph., male " 30.....1
" " 1 " " 14	" " " 31.....1
Pupæ of different genera, Feb. 28,	C. promethea " " 31.....1
hatched as follows:	S. cecropia, female, June 1.....1
H. thysbe, male, March 13.....1	C. promethea, male " 2.....2

So far my records. From this time the remaining pupæ were taken to a room not heated, and gradually emerged here, which they would probably have done at about the same time had they never been taken to a warmed room.

On *Call. promethea* and *Samia cynthia*, artificial heat seems to have not the least effect, as they were taken to a warm room in February, the first *C. promethea* not hatching until the 30th of May. Of the *Samia cynthia*, none hatched until late in June, as did the larger number of *C. promethea*. A number of these, *promethea* and *cynthia*, male and female of each species, were taken to a small room with a view to observe the copulating of the sexes, and with a faint hope of a crossing, for which latter purpose males of one species (*promethea*) were also put together with