

ARTIST-NATURALIST

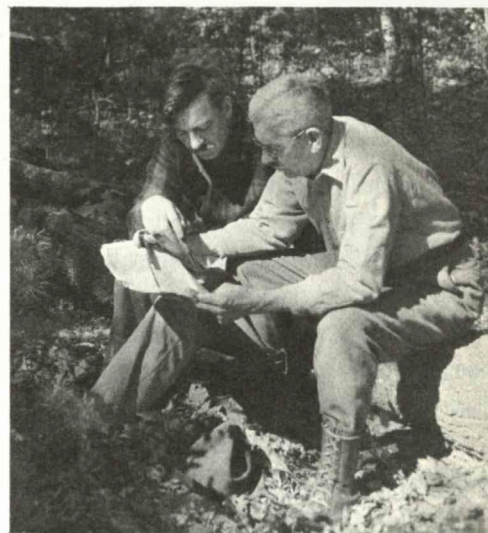
Some said it looked exactly like Clark Gable. But the color portrait which appeared some weeks back in Photoservice was strictly an MIT production. And for those who knew there was just one puzzle: how did the gentleman stay put long enough to have the shutter clicked? Model for this experiment in living color: Henry B. Kane, who can be seen whizzing around the Institute during working hours as director of the Alumni Fund, and in his spare time is simply an illustrator, photographer and author.

With publication last week of "Tale of A Meadow" (New York: Alfred A. Knopf), Mr. Kane totted up a list of eight books written and illustrated by him. These, including "Wild World Tales," a series of six on wild life, were started off back in 1936 with his first editions -- a son and an alphabet book which used pictures and the names of animals. "I just couldn't find an ABC book I liked," he recalls. Since then he has illustrated countless works, most recently John Kieran's "Natural History of New York"; has requests for many more than he can handle.

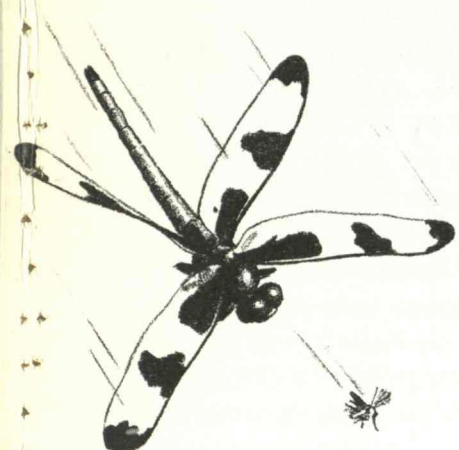
His remarkable knowledge of animals dates back to the ripe old age of six, when he used to spy on Charles River muskrats down near Soldiers Field Road. Then the houses near Harvard Square were surrounded by apple trees, and it wasn't really unusual to see a cow or two. He also took some out-of-doors looks during visits to the family homestead down in Perry, Me. -- a town which he says has one claim to fame -- a sign stating that it's halfway to the North Pole. "One of our boys became congressman and figured it out," he chuckles, "for the sake of something to do."

During student days at the Institute he was art editor of Voo Doo; graduated in '24 and -- before returning to MIT -- was an illuminating engineer with the Boston Edison Company and did advertising and promotional work.

"Chick" Kane's nature photographs (exhibited in the American Museum of Natural History among other places) are done with Edgerton strobe



Cache Lake "Chick" and "Jim"



Kane meadow folk



lights and include such spectacular subjects as a leaping trout, glimpsed at 1/30,000th of a second, and fascinating shots of tiny field mice, squirrels and their neighbors -- all posing quite unaware of the cameraman.

The Kane household itself usually hosts a menagerie; has had visits from sparrow hawks, skunks "in full possession of their faculties" and great horned owls. The latter dined on a diet of chicken heads obtained from the local A&P -- resulting in some curious stares for the member of the family who shopped. One of the most problematic guests was a black widow spider who promptly had a very large family. "Fortunately," recalls "Chick," "they ate one another up" -- and mother was donated to the Museum of Science.

One of his favorite books is in its second edition this month -- the Wilderness Edition of "Cache Lake Country" illustrated by him and written by John J. Rowlands, retired head of the News Service. Inspired by Jim's youthful experiences in the mining camps of Ontario and as roommate to an Indian chief, the book was started as a series of letters for boys. For three years Cache Lake Letters went to a mailing list of some 250 future woodsmen; telling tales of life in the North, with remarkable drawings and instructions on how to make everything from ice boats to blueberry pudding. "Finally we just got fed up," says the illustrator.

His wily means of snapping animals is described in "Cache Lake" where he's pictured as sitting for hours in a photographic blind high in a pine tree, waiting for an owl ("and . . . if you saw a stump get up and walk away, you could be pretty sure it was Hank"). Sometimes the versatile Mr. Kane even takes pictures of people. On the cover of "Tale of A Meadow": Tom Torrey, son of Tech Review editor Volta Torrey.

HOT SHOT FOR AN ASTRONAUT

The firing range is tucked away in Bldg. 41 and there's only one gun. But its bullets zip along at nearly 7,000 miles an hour and the marksmen are always sure of a hit.

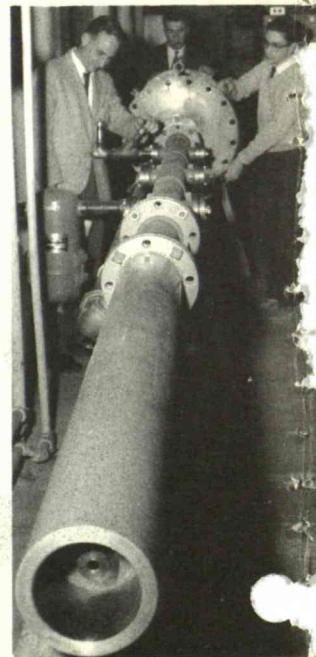
Made in Salt Lake City, Utah, the gun is the instrumentation for a project known as Hyper Velocity Impact. Its purpose: to simulate, on the ground, what will happen when the metal surface of a space ship collides with those high-flying particles known as meteorites. Ranging from pinpoint to BB size, they can travel up to 160,000 miles an hour. And scientists guess that a man-carrying vehicle on its way to Mars would be penetrated five or six times, doing no small damage to sensitive parts of the ship such as the power plant, manned compartment and guidance system.

Equipment for MIT tests consists of a 20-foot length of pipe with a .243 Winchester rifle at one end and a lead target at the other. The .243 cartridge, minus regular bullet, is outfitted with a tiny, lead pellet in a small piece of plastic which keeps the lead from splattering inside the barrel. When things are ready to go, a bell is rung to warn passersby, and the gun is fired -- triggered electrically -- after two buttons are pushed simultaneously. The bullet travels at a maximum 10,000 ft. per second and slams into the lead plate, leaving a crater about $\frac{1}{2}$ inch in diameter and $\frac{1}{2}$ inch deep.

Although this impact occurs at only one-quarter the velocity of an actual meteor, the results are much the same, and project director Dr. Walter Herrmann (Aeroelastic and Structures Lab) and his associates calculate that a vehicle would need some extra protection.

Now they're testing lead shields placed at various distances from the target; find that projectile-power is dissipated and causes just minor pitting in the target rather than deep holes.

Conclusion so far: To help save space ship skins, a second layer is definitely in order.



Walter Herrmann, Arfon Jones and Arnold Olshaker with great gun



The polo grounds at MIT

RECOMMENDED

Pooling their talents on November 21, more aquatically-inclined members of the Institute will contend for the All Institute Swimming Championships -- trials at 1 p.m. and races at 8. An annual event, competition is between teams from each class, plus graduate students, in racing and diving -- with as many as possible per team (posters and entry blanks will soon be out). Prize: the Interclass Trophy.

Between acts will be exhibitions of diving and water ballets swum by Wellesley co-eds, also by some MIT youngsters trained by the wife of a Swim Club member.

New feature of the show is the MIT Water Polo Team organized this year by Bruce Shore, a graduate student in chemistry, and old hand at the game since his days at College of the Pacific. According to Capt. Shore this is the "third attempt at water polo in modern history at MIT"; so far has a cosmopolitan roster of about twenty, including Hungarian, Egyptian, English and Greek players.

The game itself, in some disrepute before the war, is having a strong American comeback with all rules changed to protect the gill-less. MIT interest was stirred up several years ago when the Hungarian olympic team performed here; not to be outdone the Institute team is now hoping to schedule their first game for December.

Adorning Alumni Pool for the events will be a rather sizeable aid to swimmers -- a clock eight feet in diameter with a speedy second hand, visible to the most waterlogged eye.

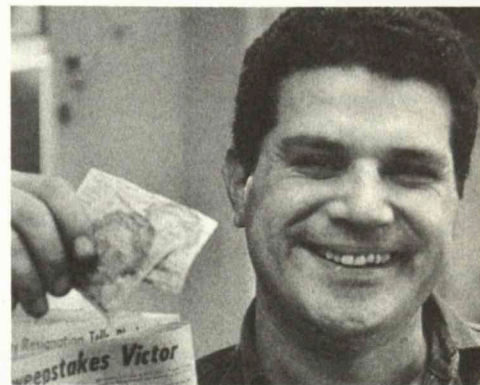
REAL GRAND SWEEP

His horse wasn't exactly first of fifty. But at least he kept on running -- and of \$112,000 transferred from the old sod to New England, Charlie Halajian got \$2,080.

Chances of winning the Sweepstakes are about forty million to one and Charlie was no small bit surprised when the local papers called him up at the fiendish Sunday hour of 8 a.m.; announced that his ticket had been drawn to bet on a young hopeful named Shameful Vengeance.

"It was a 33-1 shot," Charlie says wistfully, "and it would change a guy's whole life to win; if I had, I'd have gone straight to college."

Unfortunately, after a nerve-wracking three-day wait, Charlie discovered that Vengeance had been taken -- by a number of opponents -- and a "Globe" reporter told the tale, "Tough luck, old man."



There's Charlie

HERE AND THERE

The Center for International Studies is embarking on a communications research project involving the study of a panel of 1000 television viewers. In order to select the group, however, they plan to interview 10,000 Greater Boston residents in the area's largest TV survey. Needed are ninety women to conduct telephone interviews (CIS will pay \$1.35 an hour) for a minimum of two hours, two nights a week and up to twenty-four hours a week.

MIT Community Players announces that tryouts for the January production, "The Seagulls" by Anton Chekhov, will be held on Sunday, November 15 at the Faculty Club penthouse, from 2-5 p.m.

FOR SALE ETC.

Matching pair wrought iron tables, 3 shelves, yr old, perf for playrm, den, effective as plant stands, exc cond, brand new, \$16, asking \$10. Edythe, Ext. 7135 (Lincoln).

Do you need help on writing and typing your term paper? While typing it neatly and accurately I shall check, correct grammatical errors and difficult sent. structure. Miss Robinson, Ext. 3533.

Matching crib and wardrobe. Good cond, reasonable. WA3-9305.

Would like to sell size 8½ ski boots - Koflach, med width, used once. \$30 or will consider exchange for girl's good English bike, or other suggestion. MaryAnn, Ext. 3411.

Tubeless tires, 7.50 x 14. Well-worn, but still have tread. Best offer takes all 4. Ext. 2192.

Expert dress alterations of all kinds, reasonable rates, formerly with Milgrim's of New York. WA3-1395.

Exacta single lens reflex Jena f.2 Biotar lens, semi-auto. Eye-level, waist-level viewfinder. Pentaprism with split-level range-finder. 6 mos old, like new. Syd Solomon, Ext. 2333 or EX5-3677 (evgs).

Powercon vibrator convertor, 110 vdc to 110 vac, 100 watt cont. As new, \$25. S. Keeler, Ext. 3229.

Hi-fi loudspkr, cabinet. Altec-Lansing 15" spkr, blk satin finish, mod cab, 44 x 27 x 18. Good cond, new \$170, sacrifice \$35 for quick sale. HO9-9336.

15½ ft Lyman runabout, 25 hp, Evinrude, Mastercraft trailer, Marmac steering, mahog windshield, lts speedometer, many other extras. Exc cond. \$995. Ralph Skinner, Ext. 4223 or MI3-3237.

4 young hamsters. 75¢ each. Ext. 401 (Lincoln) or CE5-7919.

Small Phillips radio, \$10. Ext. 2205 or Rm 3-354.

AKC reg miniature blk: French poodles, \$125. Miss McPhillips, EM9-3611 (evgs).

2nd-hand port typewriter in good cond. Nicole, Ext. 2784.

Weston Master II Universal light meter. \$10. Ext. 611.

3-man bobsled, exc cond. J. C. Cornwell, Ext. 337 (Lincoln) or TW3-5386.

Stenorette, mag tape dic mach, 2 yrs old, transc equip, carrying case, \$190; Audograph dic mach, discs, recorder, transc, carrying cases, \$190; 35 mm slide projector, exc cond, \$28. Nottingham, Ext. 4815.

MG-TD. Martin Harwit, Ext. 2614 or TR6-7396 (after 6 p.m.)

'50 Dodge, good cond, leaving country must sell. \$75. Dieter Messner, Ext. 3691.

'50 Ford 2-dr, R&H, ww's, spotlight, continental, runs very well, \$135. Bob Fitzgerald, Grad House.

'50 Buick, good running cond, exc heater, \$85. Carl Borchert, Ext. 2613.

'52 Kaiser Manhattan, 6 cyl, 4-dr. \$125. Ext. 2917 or BE2-9885 (evgs).

'52 Jaguar, XK 120 coupe, \$895. CO6-4232.

'52 Jaguar XK 120 roadster with '57 XK 140C engine, fibreglas hdtop, engine 25,000 mi. \$1,100. George Langford, Ext. 2179.

'53 MG-TD, \$950. John Sullivan, KI7-0008.

'53 Dodge V-8. Gyrotorque trans. Asking \$250, will haggle. Michael Chen, Ext. 21829.

'53 Plymouth 4-dr sedan. New muffler, good rubber, gmc cond, R&H, \$250 or best offer. Stanley Autler, Ext. 5329 (Lincoln).

'53 Ford coupe, reliable, economical, clean, \$375 or best offer. John Dahlen, Ext. 3461.

'54 Ford club coupe. R&H, good cond, \$450 or best offer. D. Nolan, MI3-4880.

'55 Pontiac 2-dr, 2-tone blue, 40,000 mi, std shift, R&H, ww's, \$795. Jack Quirk, Ext. 2358.

'56 Mercedes 300SL gull-wing coupe. Blk, red lthr interior, Becker radio, all engine modifications. Ext. 671 (Lincoln) or EM9-2565 (evgs).

'57 MGA roadster. White with blk top, w wheels, heater, exc cond. Best reasonable offer. Ext. 2148 or NO5-4871.

'58 Fiat 1200 roadster, red, R&H, tonneau, 13,000 mi, good cond. Joan, Ext. 153.

'58 TR-3 Triumph, late series, blk lacquer, red lthr int, w wheels, ww's, disk brakes,

tonneau, R&H, low mileage, perf cond, asking \$2,100. Must sell, in love with Porsche. Chip Collins, Ext. 82213 or Myrtle2-8723 (evgs), Westford.

'59 gray Borgward station wagon. Radio, bumper guard, 7,200 mi, good cond. Dr. Faulker, Ext. 4480.

'59 Volkswagen, tan, 3,500 mi, \$1,575. DE2-3843.

'59 Saab, exc cond with extras. 2nd car must go. \$1,695. Ext. 3439.

3-wheel Messerschmitt scooter, quick-convertible bubble. 3,000 mi, \$350. S. J. Mason, Ext. 2504.

Furn lg single rm in home of MIT grad student near Central Sq. Towels and linens prov, maid service, 2 closets. \$12.50/wk. EL4-2757.

Furn lg single rm in home of Dutch fam in Arlington. \$35/mo, free trans to MIT. Hoogenboom, Ext. 4151 or MI6-7312.

Unfurn 5-rm apt, 109 Windsor St. Tile B with shower, redecorated, \$75/mo. Patricia Steele, Ext. 2752.

Furn apt in Brighton. K, B, huge closet, LR-BR comb, 4 min to MTA, 25 to MIT, \$85/mo plus gas, \$2.50/mo and elec. Avail Dec. 12. LO5-1383 (after 6 p.m.)

Unfurn Conantum house, Concord for 2 yrs. 4 BRs, 2 Bs, LR, D-family room, lg K, laundry room, playroom. Asking \$225/mo. EM9-3729.

1st flr furn apt in Belmont. 2 BRs, B, comb K-LR, sep ent, children welcome, lg yd, 5 min from shopping ctr, avail Nov. 17. \$150/mo incl utils. Mrs. Freeman, Ext. 774, 2595 or IV4-3017(evgs).

Belmont apt, 6 rms, lg LR, fp, Lg cab K, tile B, DR, sunparlor, 2BRs, garage, oil heat, handy to buses and schools. Ideal location. \$125. IV4-4641.

Unfurn apt, 1st flr of 2-fam house, Malden. 3 lg rms, B, heated, off street pking incl. \$85/mo. DA2-8665 (evgs).

Brookline on Beacon St, 5½ rm unfurn apt, 3 fam house. 1 min from MTA, just modernized, front porch, sunporch. LO6-0546.

6 rm apt in Everett, avail Dec. 1, oil heat, mod improvements, 2 porches, garage. DU7-4879.

Furn BRs, 1-2, priv B, garage, residential section of Woburn, near Route 128. Rates, \$12.50 up. WE3-1304.

Arlington Hts, 1st flr pleasant Southern exposure, unfurn 5-rm apt. Sunporch, garage, garden, quiet res area, basement storage area, near Route 2A. Immed occup. \$100/mo. Mrs. Dorian R. Torrey, MI8-4494.

Wanted: 2nd hand television in good cond. Please call Ext. 2703.

Visiting eng prof wants to rent 3-4BR furn house or apt, Jan-April 1. Prof. Keenan, Ext. 2201.

Wanted: Bella Progress or other German scooter. Steve Rowe, VO2-3370, Ext. 337 (days) or UN4-4056 (evgs).

Wanted: piano, will pay for moving. LA3-5929.

Wanted: baby's feeding table. TR6-9756.

Wanted: port phonograph. Murray Mackay, Ext. 119 or EL4-6504 (evgs).

Wanted: used American army carbine, semi-auto. V. J. Ring, P. O. Box 1643, Boston 5.

Wanted: aquarium, 29 gals or more and/or accessories. RE4-1379 (evgs).

Wanted: used 35 mm reflex and 8 mm movie camera. Hoogenboom, Ext. 4151 or MI6-7312.

Wanted: girl over 23 to share apt 3½ rms, K, partly furn. Pearl St, Cambridge near Central Sq. \$22.50/mo plus utils. TR6-2765.

Wanted: squash raquet. Murray Mackay, Ext. 119 or EL4-6504 (evgs).

Wanted: upright piano. Duane Paulsen, IV4-7067 (after 6 p.m.)

Wanted: Female Siamese sealpoint kitten by Christmas. Mrs. T. W. Perry, WA4-8521.

Wanted: metronome, reasonable price. D. Sheetz, Ext. 567.

Wanted: girl's 20" bike. Ext. 3439.

Wanted: reliable cleaning woman for 5 hrs once a wk. EL4-4471 (evgs).

Found: fountain pen on Oct. 30, vicin Grad House. Miss Ahearne, Ext. 2497.