

Project Mastodon

Clifford D. Simak

An abstract geometric design featuring a vibrant green background. Overlaid on this background are various blue geometric elements: straight lines of varying thicknesses, right-angled turns, a quarter-circle arc in the upper right, and two solid triangles (one pointing up, one pointing down) in the lower half. The composition is minimalist and modern.

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PROJECT MASTODON

By

Clifford D. Simak

The chief of protocol said, "Mr. Hudson of—ah—Mastodonia."

The secretary of state held out his hand. "I'm glad to see you, Mr. Hudson. I understand you've been here several times."

"That's right," said Hudson. "I had a hard time making your people believe I was in earnest."

"And are you, Mr. Hudson?"

"Believe me, sir, I would not try to fool you."

"And this Mastodonia," said the secretary, reaching down to tap the document upon the desk. "You will pardon me, but I've never heard of it."

"It's a new nation," Hudson explained, "but quite legitimate. We have a constitution, a democratic form of government, duly elected officials, and a code of laws. We are a free, peace-loving people and we are possessed of a vast amount of natural resources and—"

"Please tell me, sir," interrupted the secretary, "just where are you located?"

"Technically, you are our nearest neighbors."

"But that is ridiculous!" exploded Protocol.

"Not at all," insisted Hudson. "If you will give me a moment, Mr. Secretary, I have considerable evidence."

He brushed the fingers of Protocol off his sleeve and stepped forward to the desk, laying down the portfolio he carried.

"Go ahead, Mr. Hudson," said the secretary. "Why don't we all sit down and be comfortable while we talk this over?"

"You have my credentials, I see. Now here is a propos—"

"I have a document signed by a certain Wesley Adams."

"He's our first president," said Hudson. "Our George Washington, you might say."

"What is the purpose of this visit, Mr. Hudson?"

"We'd like to establish diplomatic relations. We think it would be to our mutual benefit. After all, we are a sister republic in perfect sympathy with your policies and aims. We'd like to negotiate trade agreements and we'd be grateful for some Point Four aid."

The secretary smiled. "Naturally. Who doesn't?"

"We're prepared to offer something in return," Hudson told him stiffly. "For one thing, we could offer sanctuary."

"Sanctuary!"

"I understand," said Hudson, "that in the present state of international tensions, a foolproof sanctuary is not something to be sneezed at."

The secretary turned stone cold. "I'm an extremely busy man."

Protocol took Hudson firmly by the arm. "Out you go."

General Leslie Bowers put in a call to State and got the secretary.

"I don't like to bother you, Herb," he said, "but there's something I want to check. Maybe you can help me."

"Glad to help you if I can."

"There's a fellow hanging around out here at the Pentagon, trying to get in to see me. Said I was the only one he'd talk to, but you know how it is."

"I certainly do."

"Name of Huston or Hudson or something like that."

"He was here just an hour or so ago," said the secretary. "Crackpot sort of fellow."

"He's gone now?"

"Yes. I don't think he'll be back."

"Did he say where you could reach him?"

"No, I don't believe he did."

"How did he strike you? I mean what kind of impression did you get of him?"

"I told you. A crackpot."

"I suppose he is. He said something to one of the colonels that got me worrying. Can't pass up anything, you know—not in the Dirty Tricks Department. Even if it's crackpot, these days you got to have a look at it."

"He offered sanctuary," said the secretary indignantly. "Can you imagine that!"

"He's been making the rounds, I guess," the general said. "He was over at AEC. Told them some sort of tale about knowing where there were vast uranium deposits. It was the AEC that told me he was heading your way."

"We get them all the time. Usually we can ease them out. This Hudson was just a little better than the most of them. He got in to see me."

"He told the colonel something about having a plan that would enable us to establish secret bases anywhere we wished, even in the territory of potential enemies. I know it sounds crazy...."

"Forget it, Les."

"You're probably right," said the general, "but this idea sends me. Can you imagine the look on their Iron Curtain faces?"

The scared little government clerk, darting conspiratorial glances all about him, brought the portfolio to the FBI.

"I found it in a bar down the street," he told the man who took him in tow. "Been going there for years. And I found this portfolio laying in the booth. I saw the man who must have left it there and I tried to find him later, but I couldn't."

"How do you know he left it there?"

"I just figured he did. He left the booth just as I came in and it was sort of dark in there and it took a minute to see this thing laying there. You see, I always take the same booth every day and Joe sees me come in and he brings me the usual

and—"

"You saw this man leave the booth you usually sit in?"

"That's right."

"Then you saw the portfolio."

"Yes, sir."

"You tried to find the man, thinking it must have been his."

"That's exactly what I did."

"But by the time you went to look for him, he had disappeared."

"That's the way it was."

"Now tell me—why did you bring it here? Why didn't you turn it in to the management so the man could come back and claim it?"

"Well, sir, it was like this. I had a drink or two and I was wondering all the time what was in that portfolio. So finally I took a peek and—"

"And what you saw decided you to bring it here to us."

"That's right. I saw—"

"Don't tell me what you saw. Give me your name and address and don't say anything about this. You understand that we're grateful to you for thinking of us, but we'd rather you said nothing."

"Mum's the word," the little clerk assured him, full of vast importance.

The FBI phoned Dr. Ambrose Amberly, Smithsonian expert on paleontology.

"We've got something, Doctor, that we'd like you to have a look at. A lot of movie film."

"I'll be most happy to. I'll come down as soon as I get clear. End of the week, perhaps?"

"This is very urgent, Doctor. Damnest thing you ever saw. Big, shaggy elephants and tigers with teeth down to their necks. There's a beaver the size of a bear."

"Fakes," said Amberly, disgusted. "Clever gadgets. Camera angles."

"That's what we thought first, but there are no gadgets, no camera angles. This is the real McCoy."

"I'm on my way," the paleontologist said, hanging up.

Snide item in smug, smartaleck gossip column: Saucers are passé at the Pentagon. There's another mystery that's got the high brass very high.



II

President Wesley Adams and Secretary of State John Cooper sat glumly under a tree in the capital of Mastodonia and waited for the ambassador extraordinary to return.

"I tell you, Wes," said Cooper, who, under various pseudonyms, was also the secretaries of commerce, treasury and war, "this is a crazy thing we did. What if Chuck can't get back? They might throw him in jail or something might happen to the time unit or the helicopter. We should have gone along."

"We had to stay," Adams said. "You know what would happen to this camp and our supplies if we weren't around here to guard them."

"The only thing that's given us any trouble is that old mastodon. If he comes around again, I'm going to take a skillet and bang him in the brisket."

"That isn't the only reason, either," said President Adams, "and you know it. We can't go deserting this nation now that we've created it. We have to keep possession. Just planting a flag and saying it's ours wouldn't be enough. We might be called upon for proof that we've established residence. Something like the old homestead laws, you know."

"We'll establish residence sure enough," growled Secretary Cooper, "if something happens to that time unit or the helicopter."

"You think they'll do it, Johnny?"

"Who do what?"

"The United States. Do you think they'll recognize us?"

"Not if they know who we are."

"That's what I'm afraid of."

"Chuck will talk them into it. He can talk the skin right off a cat."

"Sometimes I think we're going at this wrong. Sure, Chuck's got the long-range view and I suppose it's best. But maybe what we ought to do is grab a good, fast

profit and get out of here. We could take in hunting parties at ten thousand a head or maybe we could lease it to a movie company."

"We can do all that and do it legally and with full protection," Cooper told him, "if we can get ourselves recognized as a sovereign nation. If we negotiate a mutual defense pact, no one would dare get hostile because we could squawk to Uncle Sam."

"All you say is true," Adams agreed, "but there are going to be questions. It isn't just a matter of walking into Washington and getting recognition. They'll want to know about us, such as our population. What if Chuck has to tell them it's a total of three persons?"

Cooper shook his head. "He wouldn't answer that way, Wes. He'd duck the question or give them some diplomatic double-talk. After all, how can we be *sure* there are only three of us? We took over the whole continent, remember."

"You know well enough, Johnny, there are no other humans back here in North America. The farthest back any scientist will place the migrations from Asia is 30,000 years. They haven't got here yet."

"Maybe we should have done it differently," mused Cooper. "Maybe we should have included the whole world in our proclamation, not just the continent. That way, we could claim quite a population."

"It wouldn't have held water. Even as it is, we went a little further than precedent allows. The old explorers usually laid claim to certain watersheds. They'd find a river and lay claim to all the territory drained by the river. They didn't go grabbing off whole continents."

"That's because they were never sure of exactly what they had," said Cooper. "We are. We have what you might call the advantage of hindsight."

He leaned back against the tree and stared across the land. It was a pretty place, he thought—the rolling ridges covered by vast grazing areas and small groves, the forest-covered, ten-mile river valley. And everywhere one looked, the grazing herds of mastodon, giant bison and wild horses, with the less gregarious fauna scattered hit and miss.

Old Buster, the troublesome mastodon, a lone bull which had been probably run out of a herd by a younger rival, stood at the edge of a grove a quarter-mile away. He had his head down and was curling and uncurling his trunk in an

aimless sort of way while he teetered slowly in a lazy-crazy fashion by lifting first one foot and then another.

The old cuss was lonely, Cooper told himself. That was why he hung around like a homeless dog—except that he was too big and awkward to have much pet-appeal and, more than likely, his temper was unstable.

The afternoon sun was pleasantly warm and the air, it seemed to Cooper, was the freshest he had ever smelled. It was, altogether, a very pleasant place, an Indian-summer sort of land, ideal for a Sunday picnic or a camping trip.

The breeze was just enough to float out from its flagstaff before the tent the national banner of Mastodonia—a red rampant mastodon upon a field of green.

"You know, Johnny," said Adams, "there's one thing that worries me a lot. If we're going to base our claim on precedent, we may be way off base. The old explorers always claimed their discoveries for their nations or their king, never for themselves."

"The principle was entirely different," Cooper told him. "Nobody ever did anything for himself in those days. Everyone was always under someone else's protection. The explorers either were financed by their governments or were sponsored by them or operated under a royal charter or a patent. With us, it's different. Ours is a private enterprise. You dreamed up the time unit and built it. The three of us chipped in to buy the helicopter. We've paid all of our expenses out of our own pockets. We never got a dime from anyone. What we found is ours."

"I hope you're right," said Adams uneasily.

Old Buster had moved out from the grove and was shuffling warily toward the camp. Adams picked up the rifle that lay across his knees.

"Wait," said Cooper sharply. "Maybe he's just bluffing. It would be a shame to plaster him; he's such a nice old guy."

Adams half raised the rifle.

"I'll give him three steps more," he announced. "I've had enough of him."

Suddenly a roar burst out of the air just above their heads. The two leaped to their feet.

"It's Chuck!" Cooper yelled. "He's back!"

The helicopter made a half-turn of the camp and came rapidly to Earth.

Trumpeting with terror, Old Buster was a dwindling dot far down the grassy ridge.



III

They built the nightly fires circling the camp to keep out the animals.

"It'll be the death of me yet," said Adams wearily, "cutting all this wood."

"We have to get to work on that stockade," Cooper said. "We've fooled around too long. Some night, fire or no fire, a herd of mastodon will come busting in here and if they ever hit the helicopter, we'll be dead ducks. It wouldn't take more than just five seconds to turn us into Robinson Crusoes of the Pleistocene."

"Well, now that this recognition thing has petered out on us," said Adams, "maybe we can get down to business."

"Trouble is," Cooper answered, "we spent about the last of our money on the chain saw to cut this wood and on Chuck's trip to Washington. To build a stockade, we need a tractor. We'd kill ourselves if we tried to rattle that many logs bare-handed."

"Maybe we could catch some of those horses running around out there."

"Have you ever broken a horse?"

"No, that's one thing I never tried."

"Me, either. How about you, Chuck?"

"Not me," said the ex-ambassador extraordinary bluntly.

Cooper squatted down beside the coals of the cooking fire and twirled the spit. Upon the spit were three grouse and half a dozen quail. The huge coffee pot was sending out a nose-tingling aroma. Biscuits were baking in the reflector.

"We've been here six weeks," he said, "and we're still living in a tent and cooking on an open fire. We better get busy and get something done."

"The stockade first," said Adams, "and that means a tractor."

"We could use the helicopter."

"Do you want to take the chance? That's our getaway. Once something happens

to it...."

"I guess not," Cooper admitted, gulping.

"We could use some of that Point Four aid right now," commented Adams.

"They threw me out," said Hudson. "Everywhere I went, sooner or later they got around to throwing me out. They were real organized about it."

"Well, we tried," Adams said.

"And to top it off," added Hudson, "I had to go and lose all that film and now we'll have to waste our time taking more of it. Personally, I don't ever want to let another saber-tooth get that close to me while I hold the camera."

"You didn't have a thing to worry about," Adams objected. "Johnny was right there behind you with the gun."

"Yeah, with the muzzle about a foot from my head when he let go."

"I stopped him, didn't I?" demanded Cooper.

"With his head right in my lap."

"Maybe we won't have to take any more pictures," Adams suggested.

"We'll have to," Cooper said. "There are sportsmen up ahead who'd fork over ten thousand bucks easy for two weeks of hunting here. But before we could sell them on it, we'd have to show them movies. That scene with the saber-tooth would cinch it."

"If it didn't scare them off," Hudson pointed out. "The last few feet showed nothing but the inside of his throat."

Ex-ambassador Hudson looked unhappy. "I don't like the whole setup. As soon as we bring someone in, the news is sure to leak. And once the word gets out, there'll be guys lying in ambush for us—maybe even nations—scheming to steal the know-how, legally or violently. That's what scares me the most about those films I lost. Someone will find them and they may guess what it's all about, but I'm hoping they either won't believe it or can't manage to trace us."

"We could swear the hunting parties to secrecy," said Cooper.

"How could a sportsman keep still about the mounted head of a saber-tooth or a

record piece of ivory?" And the same thing would apply to anyone we approached. Some university could raise dough to send a team of scientists back here and a movie company would cough up plenty to use this place as a location for a caveman epic. But it wouldn't be worth a thing to either of them if they couldn't tell about it.

"Now if we could have gotten recognition as a nation, we'd have been all set. We could make our own laws and regulations and be able to enforce them. We could bring in settlers and establish trade. We could exploit our natural resources. It would all be legal and aboveboard. We could tell who we were and where we were and what we had to offer."

"We aren't licked yet," said Adams. "There's a lot that we can do. Those river hills are covered with ginseng. We can each dig a dozen pounds a day. There's good money in the root."

"Ginseng root," Cooper said, "is peanuts. We need *big* money."

"Or we could trap," offered Adams. "The place is alive with beaver."

"Have you taken a good look at those beaver? They're about the size of a St. Bernard."

"All the better. Think how much just one pelt would bring."

"No dealer would believe that it was beaver. He'd think you were trying to pull a fast one on him. And there are only a few states that allow beaver to be trapped. To sell the pelts—even if you could—you'd have to take out licenses in each of those states."

"Those mastodon carry a lot of ivory," said Cooper. "And if we wanted to go north, we'd find mammoths that would carry even more...."

"And get socked into the jug for ivory smuggling?"

They sat, all three of them, staring at the fire, not finding anything to say.

The moaning complaint of a giant hunting cat came from somewhere up the river.



IV

Hudson lay in his sleeping bag, staring at the sky. It bothered him a lot. There was not one familiar constellation, not one star that he could name with any certainty. This juggling of the stars, he thought, emphasized more than anything else in this ancient land the vast gulf of years which lay between him and the Earth where he had been—or would be—born.

A hundred and fifty thousand years, Adams had said, give or take ten thousand. There just was no way to know. Later on, there might be. A measurement of the stars and a comparison with their positions in the twentieth century might be one way of doing it. But at the moment, any figure could be no more than a guess.

The time machine was not something that could be tested for calibration or performance. As a matter of fact, there was no way to test it. They had not been certain, he remembered, the first time they had used it, that it would really work. There had been no way to find out. When it worked, you knew it worked. And if it hadn't worked, there would have been no way of knowing beforehand that it wouldn't.

Adams had been sure, of course, but that had been because he had absolute reliance in the half-mathematical, half-philosophic concepts he had worked out—concepts that neither Hudson nor Cooper could come close to understanding.

That had always been the way it had been, even when they were kids, with Wes dreaming up the deals that he and Johnny carried out. Back in those days, too, they had used time travel in their play. Out in Johnny's back yard, they had rigged up a time machine out of a wonderful collection of salvaged junk—a wooden crate, an empty five-gallon paint pail, a battered coffee maker, a bunch of discarded copper tubing, a busted steering wheel and other odds and ends. In it, they had "traveled" back to Indian-before-the-white-man land and mammoth-land and dinosaur-land and the slaughter, he remembered, had been wonderfully appalling.

But, in reality, it had been much different. There was much more to it than gunning down the weird fauna that one found.

And they should have known there would be, for they had talked about it often.

He thought of the bull session back in university and the little, usually silent kid who sat quietly in the corner, a law-school student whose last name had been Pritchard.

And after sitting silently for some time, this Pritchard kid had spoken up: "If you guys ever do travel in time, you'll run up against more than you bargain for. I don't mean the climate or the terrain or the fauna, but the economics and the politics."

They all jeered at him, Hudson remembered, and then had gone on with their talk. And after a short while, the talk had turned to women, as it always did.

He wondered where that quiet man might be. Some day, Hudson told himself, I'll have to look him up and tell him he was right.

We did it wrong, he thought. There were so many other ways we might have done it, but we'd been so sure and greedy—greedy for the triumph and the glory—and now there was no easy way to collect.

On the verge of success, they could have sought out help, gone to some large industrial concern or an educational foundation or even to the government. Like historic explorers, they could have obtained subsidization and sponsorship. Then they would have had protection, funds to do a proper job and they need not have operated on their present shoestring—one beaten-up helicopter and one time unit. They could have had several and at least one standing by in the twentieth century as a rescue unit, should that be necessary.

But that would have meant a bargain, perhaps a very hard one, and sharing with someone who had contributed nothing but the money. And there was more than money in a thing like this—there were twenty years of dreams and a great idea and the dedication to that great idea—years of work and years of disappointment and an almost fanatical refusal to give up.

Even so, thought Hudson, they had figured well enough. There had been many chances to make blunders and they'd made relatively few. All they lacked, in the last analysis, was backing.

Take the helicopter, for example. It was the one satisfactory vehicle for time traveling. You had to get up in the air to clear whatever upheavals and subsidences there had been through geologic ages. The helicopter took you up and kept you clear and gave you a chance to pick a proper landing place. Travel

without it and, granting you were lucky with land surfaces, you still might materialize in the heart of some great tree or end up in a swamp or the middle of a herd of startled, savage beasts. A plane would have done as well, but back in this world, you couldn't land a plane—or you couldn't be certain that you could. A helicopter, though, could land almost anywhere.

In the time-distance they had traveled, they almost certainly had been lucky, although one could not be entirely sure just how great a part of it was luck. Wes had felt that he had not been working as blindly as it sometimes might appear. He had calibrated the unit for jumps of 50,000 years. Finer calibration, he had said realistically, would have to wait for more developmental work.

Using the 50,000-year calibrations, they had figured it out. One jump (conceding that the calibration was correct) would have landed them at the end of the Wisconsin glacial period; two jumps, at its beginning. The third would set them down toward the end of the Sangamon Interglacial and apparently it had—give or take ten thousand years or so.

They had arrived at a time when the climate did not seem to vary greatly, either hot or cold. The flora was modern enough to give them a homelike feeling. The fauna, modern and Pleistocenic, overlapped. And the surface features were little altered from the twentieth century. The rivers ran along familiar paths, the hills and bluffs looked much the same. In this corner of the Earth, at least, 150,000 years had not changed things greatly.

Boyhood dreams, Hudson thought, were wondrous. It was not often that three men who had daydreamed in their youth could follow it out to its end. But they had and here they were.

Johnny was on watch, and it was Hudson's turn next, and he'd better get to sleep. He closed his eyes, then opened them again for another look at the unfamiliar stars. The east, he saw, was flushed with silver light. Soon the Moon would rise, which was good. A man could keep a better watch when the Moon was up.

He woke suddenly, snatched upright and into full awareness by the marrow-chilling clamor that slashed across the night. The very air seemed curdled by the savage racket and, for a moment, he sat numbed by it. Then, slowly, it seemed—his brain took the noise and separated it into two distinct but intermingled categories, the deadly screaming of a cat and the maddened trumpeting of a mastodon.

The Moon was up and the countryside was flooded by its light. Cooper, he saw, was out beyond the watchfires, standing there and watching, with his rifle ready. Adams was scrambling out of his sleeping bag, swearing softly to himself. The cooking fire had burned down to a bed of mottled coals, but the watchfires still were burning and the helicopter, parked within their circle, picked up the glint of flames.

"It's Buster," Adams told him angrily. "I'd know that bellowing of his anywhere. He's done nothing but parade up and down and bellow ever since we got here. And now he seems to have gone out and found himself a saber-tooth."

Hudson zipped down his sleeping bag, grabbed up his rifle and jumped to his feet, following Adams in a silent rush to where Cooper stood.

Cooper motioned at them. "Don't break it up. You'll never see the like of it again."

Adams brought his rifle up.

Cooper knocked the barrel down.

"You fool!" he shouted. "You want them turning on us?"

Two hundred yards away stood the mastodon and, on his back, the screeching saber-tooth. The great beast reared into the air and came down with a jolt, bucking to unseat the cat, flailing the air with his massive trunk. And as he bucked, the cat struck and struck again with his gleaming teeth, aiming for the spine.

Then the mastodon crashed head downward, as if to turn a somersault, rolled and was on his feet again, closer to them now than he had been before. The huge cat had sprung off.

For a moment, the two stood facing one another. Then the tiger charged, a flowing streak of motion in the moonlight. Buster wheeled away and the cat, leaping, hit his shoulder, clawed wildly and slid off. The mastodon whipped to the attack, tusks slashing, huge feet stamping. The cat, caught a glancing blow by one of the tusks, screamed and leaped up, to land in spread-eagle fashion upon Buster's head.

Maddened with pain and fright, blinded by the tiger's raking claws, the old mastodon ran—straight toward the camp. And as he ran, he grasped the cat in his

trunk and tore him from his hold, lifted him high and threw him.

"Look out!" yelled Cooper and brought his rifle up and fired.

For an instant, Hudson saw it all as if it were a single scene, motionless, one frame snatched from a fantastic movie epic—the charging mastodon, with the tiger lifted and the sound track one great blast of bloodthirsty bedlam.

Then the scene dissolved in a blur of motion. He felt his rifle thud against his shoulder, knowing he had fired, but not hearing the explosion. And the mastodon was almost on top of him, bearing down like some mighty and remorseless engine of blind destruction.

He flung himself to one side and the giant brushed past him. Out of the tail of his eye, he saw the thrown saber-tooth crash to Earth within the circle of the watchfires.

He brought his rifle up again and caught the area behind Buster's ear within his sights. He pressed the trigger. The mastodon staggered, then regained his stride and went rushing on. He hit one of the watchfires dead center and went through it, scattering coals and burning brands.

Then there was a thud and the screeching clang of metal.

"Oh, no!" shouted Hudson.

Rushing forward, they stopped inside the circle of the fires.

The helicopter lay tilted at a crazy angle. One of its rotor blades was crumpled. Half across it, as if he might have fallen as he tried to bull his mad way over it, lay the mastodon.

Something crawled across the ground toward them, its spitting, snarling mouth gaping in the firelight, its back broken, hind legs trailing.

Calmly, without a word, Adams put a bullet into the head of the saber-tooth.



V

General Leslie Bowers rose from his chair and paced up and down the room. He stopped to bang the conference table with a knotted fist.

"You can't do it," he bawled at them. "You can't kill the project. I *know* there's something to it. We can't give it up!"

"But it's been ten years, General," said the secretary of the army. "If they were coming back, they'd be here by now."

The general stopped his pacing, stiffened. Who did that little civilian squirt think he was, talking to the military in that tone of voice!

"We know how you feel about it, General," said the chairman of the joint chiefs of staff. "I think we all recognize how deeply you're involved. You've blamed yourself all these years and there is no need of it. After all, there may be nothing to it."

"Sir," said the general, "I *know* there's something to it. I thought so at the time, even when no one else did. And what we've turned up since serves to bear me out. Let's take a look at these three men of ours. We knew almost nothing of them at the time, but we know them now. I've traced out their lives from the time that they were born until they disappeared—and I might add that, on the chance it might be all a hoax, we've searched for them for years and we've found no trace at all.

"I've talked with those who knew them and I've studied their scholastic and military records. I've arrived at the conclusion that if any three men could do it, they were the ones who could. Adams was the brains and the other two were the ones who carried out the things that he dreamed up. Cooper was a bulldog sort of man who could keep them going and it would be Hudson who would figure out the angles.

"And they knew the angles, gentlemen. They had it all doped out.

"What Hudson tried here in Washington is substantial proof of that. But even back in school, they were thinking of those angles. I talked some years ago to a lawyer in New York, name of Pritchard. He told me that even back in university,

they talked of the economic and political problems that they might face if they ever cracked what they were working at.

"Wesley Adams was one of our brightest young scientific men. His record at the university and his war work bears that out. After the war, there were at least a dozen jobs he could have had. But he wasn't interested. And I'll tell you why he wasn't. He had something bigger—something he wanted to work on. So he and these two others went off by themselves—"

"You think he was working on a temporal—" the army secretary cut in.

"He was working on a time machine," roared the general. "I don't know about this 'temporal' business. Just plain 'time machine' is good enough for me."

"Let's calm down, General," said the JCS chairman, "After all, there's no need to shout."

The general nodded. "I'm sorry, sir. I get all worked up about this. I've spent the last ten years with it. As you say, I'm trying to make up for what I failed to do ten years ago. I should have talked to Hudson. I was busy, sure, but not that busy. It's an official state of mind that we're too busy to see anyone and I plead guilty on that score. And now that you're talking about closing the project—"

"It's costing us money," said the army secretary.

"And we have no direct evidence," pointed out the JCS chairman.

"I don't know what you want," snapped the general. "If there was any man alive who could crack time, that man was Wesley Adams. We found where he worked. We found the workshop and we talked to neighbors who said there was something funny going on and—"

"But ten years, General!" the army secretary protested.

"Hudson came here, bringing us the greatest discovery in all history, and we kicked him out. After that, do you expect them to come crawling back to us?"

"You think they went to someone else?"

"They wouldn't do that. They know what the thing they have found would mean. They wouldn't sell us out."

"Hudson came with a preposterous proposition," said the man from the state

department.

"They had to protect themselves!" yelled the general. "If you had discovered a virgin planet with its natural resources intact, what would you do about it? Come trotting down here and hand it over to a government that's too 'busy' to recognize —"

"General!"

"Yes, sir," apologized the general tiredly. "I wish you gentlemen could see my view of it, how it all fits together. First there were the films and we have the word of a dozen competent paleontologists that it's impossible to fake anything as perfect as those films. But even granting that they could be, there are certain differences that no one would ever think of faking, because no one ever knew. Who, as an example, would put lynx tassels on the ears of a saber-tooth? Who would know that young mastodon were black?

"And the location. I wonder if you've forgotten that we tracked down the location of Adams' workshop from those films alone. They gave us clues so positive that we didn't even hesitate—we drove straight to the old deserted farm where Adams and his friends had worked. Don't you see how it all fits together?"

"I presume," the man from the state department said nastily, "that you even have an explanation as to why they chose that particular location."

"You thought you had me there," said the general, "but I have an answer. A good one. The southwestern corner of Wisconsin is a geologic curiosity. It was missed by all the glaciations. Why, we do not know. Whatever the reason, the glaciers came down on both sides of it and far to the south of it and left it standing there, a little island in a sea of ice.

"And another thing: Except for a time in the Triassic, that same area of Wisconsin has always been dry land. That and a few other spots are the only areas in North America which have not, time and time again, been covered by water. I don't think it necessary to point out the comfort it would be to an experimental traveler in time to be certain that, in almost any era he might hit, he'd have dry land beneath him."

The economics expert spoke up: "We've given this matter a lot of study and, while we do not feel ourselves competent to rule upon the possibility or impossibility of time travel, there are some observations I should like, at some

time, to make."

"Go ahead right now," said the JCS chairman.

"We see one objection to the entire matter. One of the reasons, naturally, that we had some interest in it is that, if true, it would give us an entire new planet to exploit, perhaps more wisely than we've done in the past. But the thought occurs that any planet has only a certain grand total of natural resources. If we go into the past and exploit them, what effect will that have upon what is left of those resources for use in the present? Wouldn't we, in doing this, be robbing ourselves of our own heritage?"

"That contention," said the AEC chairman, "wouldn't hold true in every case. Quite the reverse, in fact. We know that there was, in some geologic ages in the past, a great deal more uranium than we have today. Go back far enough and you'd catch that uranium before it turned into lead. In southwestern Wisconsin, there is a lot of lead. Hudson told us he knew the location of vast uranium deposits and we thought he was a crackpot talking through his hat. If we'd known—let's be fair about this—if we had known and believed him about going back in time, we'd have snapped him up at once and all this would not have happened."

"It wouldn't hold true with forests, either," said the chairman of the JCS. "Or with pastures or with crops."

The economics expert was slightly flushed. "There is another thing," he said. "If we go back in time and colonize the land we find there, what would happen when that—well, let's call it retroactive—when that retroactive civilization reaches the beginning of our historic period? What will result from that cultural collision? Will our history change? Is what has happened false? Is all—"

"That's all poppycock!" the general shouted. "That and this other talk about using up resources. Whatever we did in the past—or are about to do—has been done already. I've lain awake nights, mister, thinking about all these things and there is no answer, believe me, except the one I give you. The question which faces us here is an immediate one. Do we give all this up or do we keep on watching that Wisconsin farm, waiting for them to come back? Do we keep on trying to find, independently, the process or formula or method that Adams found for traveling in time?"

"We've had no luck in our research so far, General," said the quiet physicist who

sat at the table's end. "If you were not so sure and if the evidence were not so convincing that it had been done by Adams, I'd say flatly that it is impossible. We have no approach which holds any hope at all. What we've done so far, you might best describe as flounder. But if Adams turned the trick, it must be possible. There may be, as a matter of fact, more ways than one. We'd like to keep on trying."

"Not one word of blame has been put on you for your failure," the chairman told the physicist. "That you could do it seems to be more than can be humanly expected. If Adams did it—*if* he did, I say—it must have been simply that he blundered on an avenue of research no other man has thought of."

"You will recall," said the general, "that the research program, even from the first, was thought of strictly as a gamble. Our one hope was, and must remain, that they will return."

"It would have been so much simpler all around," the state department man said, "if Adams had patented his method."

The general raged at him. "And had it published, all neat and orderly, in the patent office records so that anyone who wanted it could look it up and have it?"

"We can be most sincerely thankful," said the chairman, "that he did not patent it."



VI

The helicopter would never fly again, but the time unit was intact.

Which didn't mean that it would work.

They held a powwow at their camp site. It had been, they decided, simpler to move the camp than to remove the body of Old Buster. So they had shifted at dawn, leaving the old mastodon still sprawled across the helicopter.

In a day or two, they knew, the great bones would be cleanly picked by the carrion birds, the lesser cats, the wolves and foxes and the little skulkers.

Getting the time unit out of the helicopter had been quite a chore, but they finally had managed and now Adams sat with it cradled in his lap.

"The worst of it," he told them, "is that I can't test it. There's no way to. You turn it on and it works or it doesn't work. You can't know till you try."

"That's something we can't help," Cooper replied. "The problem, seems to me, is how we're going to use it without the whirlybird."

"We have to figure out some way to get up in the air," said Adams. "We don't want to take the chance of going up into the twentieth century and arriving there about six feet underground."

"Common sense says that we should be higher here than up ahead," Hudson pointed out. "These hills have stood here since Jurassic times. They probably were a good deal higher then and have weathered down. That weathering still should be going on. So we should be higher here than in the twentieth century—not much, perhaps, but higher."

"Did anyone ever notice what the altimeter read?" asked Cooper.

"I don't believe I did," Adams admitted.

"It wouldn't tell you, anyhow," Hudson declared. "It would just give our height then and now—and we were moving, remember—and what about air pockets and relative atmosphere density and all the rest?"

Cooper looked as discouraged as Hudson felt.

"How does this sound?" asked Adams. "We'll build a platform twelve feet high. That certainly should be enough to clear us and yet small enough to stay within the range of the unit's force-field."

"And what if we're two feet higher here?" Hudson pointed out.

"A fall of fourteen feet wouldn't kill a man unless he's plain unlucky."

"It might break some bones."

"So it might break some bones. You want to stay here or take a chance on a broken leg?"

"All right, if you put it that way. A platform, you say. A platform out of what?"

"Timber. There's lot of it. We just go out and cut some logs."

"A twelve-foot log is heavy. And how are we going to get that big a log uphill?"

"We drag it."

"We try to, you mean."

"Maybe we could fix up a cart," said Adams, after thinking a moment.

"Out of what?" Cooper asked.

"Rollers, maybe. We could cut some and roll the logs up here."

"That would work on level ground," Hudson said. "It wouldn't work to roll a log uphill. It would get away from us. Someone might get killed."

"The logs would have to be longer than twelve feet, anyhow," Cooper put in. "You'd have to set them in a hole and that takes away some footage."

"Why not the tripod principle?" Hudson offered. "Fasten three logs at the top and raise them."

"That's a gin-pole, a primitive derrick. It'd still have to be longer than twelve feet. Fifteen, sixteen, maybe. And how are we going to hoist three sixteen-foot logs? We'd need a block and tackle."

"There's another thing," said Cooper. "Part of those logs might just be beyond

the effective range of the force-field. Part of them would have to—*have to*, mind you—move in time and part couldn't. That would set up a stress...."

"Another thing about it," added Hudson, "is that we'd travel with the logs. I don't want to come out in another time with a bunch of logs flying all around me."

"Cheer up," Adams told them. "Maybe the unit won't work, anyhow."



VII

The general sat alone in his office and held his head between his hands. The fools, he thought, the goddam knuckle-headed fools! Why couldn't they see it as clearly as he did?

For fifteen years now, as head of Project Mastodon, he had lived with it night and day and he could see all the possibilities as clearly as if they had been actual fact. Not military possibilities alone, although as a military man, he naturally would think of those first.

The hidden bases, for example, located within the very strongholds of potential enemies—within, yet centuries removed in time. Many centuries removed and only seconds distant.

He could see it all: The materialization of the fleets; the swift, devastating blow, then the instantaneous retreat into the fastnesses of the past. Terrific destruction, but not a ship lost nor a man.

Except that if you had the bases, you need never strike the blow. If you had the bases and let the enemy know you had them, there would never be the provocation.

And on the home front, you'd have air-raid shelters that would be effective. You'd evacuate your population not in space, but time. You'd have the sure and absolute defense against any kind of bombing—fission, fusion, bacteriological or whatever else the labs had in stock.

And if the worst should come—which it never would with a setup like that—you'd have a place to which the entire nation could retreat, leaving to the enemy the empty, blasted cities and the lethally dusted countryside.

Sanctuary—that had been what Hudson had offered the then-secretary of state fifteen years ago—and the idiot had frozen up with the insult of it and had Hudson thrown out.

And if war did not come, think of the living space and the vast new opportunities—not the least of which would be the opportunity to achieve peaceful living in a virgin world, where the old hatreds would slough off and new concepts have a

chance to grow.

He wondered where they were, those three who had gone back into time. Dead, perhaps. Run down by a mastodon. Or stalked by tigers. Or maybe done in by warlike tribesmen. No, he kept forgetting there weren't any in that era. Or trapped in time, unable to get back, condemned to exile in an alien time. Or maybe, he thought, just plain disgusted. And he couldn't blame them if they were.

Or maybe—let's be fantastic about this—sneaking in colonists from some place other than the watched Wisconsin farm, building up in actuality the nation they had claimed to be.

They had to get back to the present soon or Project Mastodon would be killed entirely. Already the research program had been halted and if something didn't happen quickly, the watch that was kept on the Wisconsin farm would be called off.

"And if they do that," said the general, "I know just what I'll do."

He got up and strode around the room.

"By God," he said, "I'll show 'em!"

VIII

It had taken ten full days of back-breaking work to build the pyramid. They'd hauled the rocks from the creek bed half a mile away and had piled them, stone by rolling stone, to the height of a full twelve feet. It took a lot of rocks and a lot of patience, for as the pyramid went up, the base naturally kept broadening out.

But now all was finally ready.

Hudson sat before the burned-out campfire and held his blistered hands before him.

It should work, he thought, better than the logs—and less dangerous.

Grab a handful of sand. Some trickled back between your fingers, but most stayed in your grasp. That was the principle of the pyramid of stones. When—and if—the time machine should work, most of the rocks would go along.

Those that didn't go would simply trickle out and do no harm. There'd be no stress or strain to upset the working of the force-field.

And if the time unit didn't work?

Or if it did?

This was the end of the dream, thought Hudson, no matter how you looked at it.

For even if they did get back to the twentieth century, there would be no money and with the film lost and no other taken to replace it, they'd have no proof they had traveled back beyond the dawn of history—back almost to the dawn of Man.

Although how far you traveled would have no significance. An hour or a million years would be all the same; if you could span the hour, you could span the million years. And if you could go back the million years, it was within your power to go back to the first tick of eternity, the first stir of time across the face of emptiness and nothingness—back to that initial instant when nothing as yet had happened or been planned or thought, when all the vastness of the Universe was a new slate waiting the first chalk stroke of destiny.

Another helicopter would cost thirty thousand dollars—and they didn't even

have the money to buy the tractor that they needed to build the stockade.

There was no way to borrow. You couldn't walk into a bank and say you wanted thirty thousand to take a trip back to the Old Stone Age.

You still could go to some industry or some university or the government and if you could persuade them you had something on the ball—why, then, they might put up the cash after cutting themselves in on just about all of the profits. And, naturally, they'd run the show because it was their money and all you had done was the sweating and the bleeding.

"There's one thing that still bothers me," said Cooper, breaking the silence. "We spent a lot of time picking our spot so we'd miss the barn and house and all the other buildings...."

"Don't tell me the windmill!" Hudson cried.

"No. I'm pretty sure we're clear of that. But the way I figure, we're right astraddle that barbed-wire fence at the south end of the orchard."

"If you want, we could move the pyramid over twenty feet or so."

Cooper groaned. "I'll take my chances with the fence." Adams got to his feet, the time unit tucked underneath his arm. "Come on, you guys. It's time to go."

They climbed the pyramid gingerly and stood unsteadily at its top.

Adams shifted the unit around, clasped it to his chest.

"Stand around close," he said, "and bend your knees a little. It may be quite a drop."

"Go ahead," said Cooper. "Press the button."

Adams pressed the button.

Nothing happened.

The unit didn't work.

IX

The chief of Central Intelligence was white-lipped when he finished talking.

"You're sure of your information?" asked the President.

"Mr. President," said the CIA chief, "I've never been more sure of anything in my entire life."

The President looked at the other two who were in the room, a question in his eyes.

The JCS chairman said, "It checks, sir, with everything we know."

"But it's incredible!" the President said.

"They're afraid," said the CIA chief. "They lie awake nights. They've become convinced that we're on the verge of traveling in time. They've tried and failed, but they think we're near success. To their way of thinking, they've got to hit us now or never, because once we actually get time travel, they know their number's up."

"But we dropped Project Mastodon entirely almost three years ago. It's been all of ten years since we stopped the research. It was twenty-five years ago that Hudson—"

"That makes no difference, sir. They're convinced we dropped the project publicly, but went underground with it. That would be the kind of strategy they could understand."

The President picked up a pencil and doodled on a pad.

"Who was that old general," he asked, "the one who raised so much fuss when we dropped the project? I remember I was in the Senate then. He came around to see me."

"Bowers, sir," said the JCS chairman.

"That's right. What became of him?"

"Retired."

"Well, I guess it doesn't make any difference now." He doodled some more and finally said, "Gentlemen, it looks like this is it. How much time did you say we had?"

"Not more than ninety days, sir. Maybe as little as thirty."

The President looked up at the JCS chairman.

"We're as ready," said the chairman, "as we will ever be. We can handle them—I think. There will, of course, be some—"

"I know," said the President.

"Could we bluff?" asked the secretary of state, speaking quietly. "I know it wouldn't stick, but at least we might buy some time."

"You mean hint that we have time travel?"

The secretary nodded.

"It wouldn't work," said the CIA chief tiredly. "If we really had it, there'd be no question then. They'd become exceedingly well-mannered, even neighborly, if they were sure we had it."

"But we haven't got it," said the President gloomily.

X

The two hunters trudged homeward late in the afternoon, with a deer slung from a pole they carried on their shoulders. Their breath hung visibly in the air as they walked along, for the frost had come and any day now, they knew, there would be snow.

"I'm worried about Wes," said Cooper, breathing heavily. "He's taking this too hard. We got to keep an eye on him."

"Let's take a rest," panted Hudson.

They halted and lowered the deer to the ground.

"He blames himself too much," said Cooper. He wiped his sweaty forehead. "There isn't any need to. All of us walked into this with our eyes wide open."

"He's kidding himself and he knows it, but it gives him something to go on. As long as he can keep busy with all his puttering around, he'll be all right."

"He isn't going to repair the time unit, Chuck."

"I know he isn't. And he knows it, too. He hasn't got the tools or the materials. Back in the workshop, he might have a chance, but here he hasn't."

"It's rough on him."

"It's rough on all of us."

"Yes, but we didn't get a brainstorm that marooned two old friends in this tail end of nowhere. And we can't make him swallow it when we say that it's okay, we don't mind at all."

"That's a lot to swallow, Johnny."

"What's going to happen to us, Chuck?"

"We've got ourselves a place to live and there's lots to eat. Save our ammo for the big game—a lot of eating for each bullet—and trap the smaller animals."

"I'm wondering what will happen when the flour and all the other stuff is gone."

We don't have too much of it because we always figured we could bring in more."

"We'll live on meat," said Hudson. "We got bison by the million. The plains Indians lived on them alone. And in the spring, we'll find roots and in the summer berries. And in the fall, we'll harvest a half-dozen kinds of nuts."

"Some day our ammo will be gone, no matter how careful we are with it."

"Bows and arrows. Slingshots. Spears."

"There's a lot of beasts here I wouldn't want to stand up to with nothing but a spear."

"We won't stand up to them. We'll duck when we can and run when we can't duck. Without our guns, we're no lords of creation—not in this place. If we're going to live, we'll have to recognize that fact."

"And if one of us gets sick or breaks a leg or—"

"We'll do the best we can. Nobody lives forever."

But they were talking around the thing that really bothered them, Hudson told himself—each of them afraid to speak the thought aloud.

They'd live, all right, so far as food, shelter and clothing were concerned. And they'd live most of the time in plenty, for this was a fat and open-handed land and a man could make an easy living.

But the big problem—the one they were afraid to talk about—was their emptiness of purpose. To live, they had to find some meaning in a world without society.

A man cast away on a desert isle could always live for hope, but here there was no hope. A Robinson Crusoe was separated from his fellow-humans by, at the most, a few thousand miles. Here they were separated by a hundred and fifty thousand years.

Wes Adams was the lucky one so far. Even playing his thousand-to-one shot, he still held tightly to a purpose, feeble as it might be—the hope that he could repair the time machine.

We don't need to watch him now, thought Hudson. The time we'll have to watch

is when he is forced to admit he can't fix the machine.

And both Hudson and Cooper had been kept sane enough, for there had been the cabin to be built and the winter's supply of wood to cut and the hunting to be done.

But then there would come a time when all the chores were finished and there was nothing left to do.

"You ready to go?" asked Cooper.

"Sure. All rested now," said Hudson.

They hoisted the pole to their shoulders and started off again.

Hudson had lain awake nights thinking of it and all the thoughts had been dead ends.

One could write a natural history of the Pleistocene, complete with photographs and sketches, and it would be a pointless thing to do, because no future scientist would ever have a chance to read it.

Or they might labor to build a memorial, a vast pyramid, perhaps, which would carry a message forward across fifteen hundred centuries, snatching with bare hands at a semblance of immortality. But if they did, they would be working against the sure and certain knowledge that it all would come to naught, for they knew in advance that no such pyramid existed in historic time.

Or they might set out to seek contemporary Man, hiking across four thousand miles of wilderness to Bering Strait and over into Asia. And having found contemporary Man cowering in his caves, they might be able to help him immeasurably along the road to his great inheritance. Except that they'd never make it and even if they did, contemporary Man undoubtedly would find some way to do them in and might eat them in the bargain.

They came out of the woods and there was the cabin, just a hundred yards away. It crouched against the hillside above the spring, with the sweep of grassland billowing beyond it to the slate-gray skyline. A trickle of smoke came up from the chimney and they saw the door was open.

"Wes oughtn't to leave it open that way," said Cooper. "No telling when a bear might decide to come visiting."

"Hey, Wes!" yelled Hudson.

But there was no sign of him.

Inside the cabin, a white sheet of paper lay on the table top. Hudson snatched it up and read it, with Cooper at his shoulder.

Dear guys—I don't want to get your hopes up again and have you disappointed. But I think I may have found the trouble. I'm going to try it out. If it doesn't work, I'll come back and burn this note and never say a word. But if you find the note, you'll know it worked and I'll be back to get you. Wes.

Hudson crumpled the note in his hand. "The crazy fool!"

"He's gone off his rocker," Cooper said. "He just thought...."

The same thought struck them both and they bolted for the door. At the corner of the cabin, they skidded to a halt and stood there, staring at the ridge above them.

The pyramid of rocks they'd built two months ago was gone!



XI

The crash brought Gen. Leslie Bowers (ret.) up out of bed—about two feet out of bed—old muscles tense, white mustache bristling.

Even at his age, the general was a man of action. He flipped the covers back, swung his feet out to the floor and grabbed the shotgun leaning against the wall.

Muttering, he blundered out of the bedroom, marched across the dining room and charged into the kitchen. There, beside the door, he snapped on the switch that turned on the floodlights. He practically took the door off its hinges getting to the stoop and he stood there, bare feet gripping the planks, nightshirt billowing in the wind, the shotgun poised and ready.

"What's going on out there?" he bellowed.

There was a tremendous pile of rocks resting where he'd parked his car. One crumpled fender and a drunken headlight peeped out of the rubble.

A man was clambering carefully down the jumbled stones, making a detour to dodge the battered fender.

The general pulled back the hammer of the gun and fought to control himself.

The man reached the bottom of the pile and turned around to face him. The general saw that he was hugging something tightly to his chest.

"Mister," the general told him, "your explanation better be a good one. That was a brand-new car. And this was the first time I was set for a night of sleep since my tooth quit aching."

The man just stood and looked at him.

"Who in thunder are you?" roared the general.

The man walked slowly forward. He stopped at the bottom of the stoop.

"My name is Wesley Adams," he said. "I'm—"

"Wesley Adams!" howled the general. "My God, man, where have you been all

these years?"

"Well, I don't imagine you'll believe me, but the fact is...."

"We've been waiting for you. For twenty-five long years! Or, rather, *I've* been waiting for you. Those other idiots gave up. I've waited right here for you, Adams, for the last three years, ever since they called off the guard."

Adams gulped. "I'm sorry about the car. You see, it was this way...."

The general, he saw, was beaming at him fondly.

"I had faith in you," the general said.

He waved the shotgun by way of invitation. "Come on in. I have a call to make."

Adams stumbled up the stairs.

"Move!" the general ordered, shivering. "On the double! You want me to catch my death of cold out here?"

Inside, he fumbled for the lights and turned them on. He laid the shotgun across the kitchen table and picked up the telephone.

"Give me the White House at Washington," he said. "Yes, I said the White House.... The President? Naturally he's the one I want to talk to.... Yes, it's all right. He won't mind my calling him."

"Sir," said Adams tentatively.

The general looked up. "What is it, Adams? Go ahead and say it."

"Did you say *twenty-five* years?"

"That's what I said. What were you doing all that time?"

Adams grasped the table and hung on. "But it wasn't...."

"Yes," said the general to the operator. "Yes, I'll wait."

He held his hand over the receiver and looked inquiringly at Adams. "I imagine you'll want the same terms as before."

"Terms?"

"Sure. Recognition. Point Four Aid. Defense pact."

"I suppose so," Adams said.

"You got these saps across the barrel," the general told him happily. "You can get anything you want. You rate it, too, after what you've done and the bonehead treatment you got—but especially for not selling out."



XII

The night editor read the bulletin just off the teletype.

"Well, what do you know!" he said. "We just recognized Mastodonia."

He looked at the copy chief.

"Where the hell is Mastodonia?" he asked.

The copy chief shrugged. "Don't ask me. You're the brains in this joint."

"Well, let's get a map for the next edition," said the night editor.



XIII

Tabby, the saber-tooth, dabbed playfully at Cooper with his mighty paw.

Cooper kicked him in the ribs—an equally playful gesture.

Tabby snarled at him.

"Show your teeth at me, will you!" said Cooper. "Raised you from a kitten and that's the gratitude you show. Do it just once more and I'll belt you in the chops."

Tabby lay down blissfully and began to wash his face.

"Some day," warned Hudson, "that cat will miss a meal and that's the day you're it."

"Gentle as a dove," Cooper assured him. "Wouldn't hurt a fly."

"Well, one thing about it, nothing dares to bother us with that monstrosity around."

"Best watchdog there ever was. Got to have something to guard all this stuff we've got. When Wes gets back, we'll be millionaires. All those furs and ginseng and the ivory."

"If he gets back."

"He'll be back. Quit your worrying."

"But it's been five years," Hudson protested.

"He'll be back. Something happened, that's all. He's probably working on it right now. Could be that he messed up the time setting when he repaired the unit or it might have been knocked out of kilter when Buster hit the helicopter. That would take a while to fix. I don't worry that he won't come back. What I can't figure out is why did he go and leave us?"

"I've told you," Hudson said. "He was afraid it wouldn't work."

"There wasn't any need to be scared of that. We never would have laughed at him."

"No. Of course we wouldn't."

"Then what *was* he scared of?" Cooper asked.

"If the unit failed and we knew it failed, Wes was afraid we'd try to make him see how hopeless and insane it was. And he knew we'd probably convince him and then all his hope would be gone. And he wanted to hang onto that, Johnny. He wanted to hang onto his hope even when there wasn't any left."

"That doesn't matter now," said Cooper. "What counts is that he'll come back. I can feel it in my bones."

And here's another case, thought Hudson, of hope begging to be allowed to go on living.

God, he thought, I wish I could be that blind!

"Wes is working on it right now," said Cooper confidently.

XIV

He was. Not he alone, but a thousand others, working desperately, knowing that the time was short, working not alone for two men trapped in time, but for the peace they all had dreamed about—that the whole world had yearned for through the ages.

For to be of any use, it was imperative that they could zero in the time machines they meant to build as an artilleryman would zero in a battery of guns, that each time machine would take its occupants to the same instant of the past, that their operation would extend over the same period of time, to the exact second.

It was a problem of control and calibration—starting with a prototype that was calibrated, as its finest adjustment, for jumps of 50,000 years.

Project Mastodon was finally under way.

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