

## The Only Thing We Learn

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THE PROFESSOR, though he did not know the actor's phrase for it, was counting the house-peering through a spyhole in the door through which he would in a moment appear before the class. He was pleased with what he saw. Tier after tier of young people, ready with notebooks and styli, chattering tentatively, glancing at the door against which his nose was flattened, waiting for the pleasant interlude known as "Archaeo-Literature 203" to begin.

The professor stepped back, smoothed his tunic, crooked four books on his left elbow, and made his entrance. Four swift strides brought him to the lectern and, for the thousandth-odd time, he impassively swept the lecture hall with his gaze. Then he gave a wry little smile. Inside, for the thousandth-odd time, he was nagged by the irritable little thought that the lectern really ought to be a foot or so higher.

The irritation did not show. He was out to win the audience, and he did. A dead silence, the supreme tribute, gratified him. Imperceptibly, the lights of the lecture hall began to dim and the light on the lectern to brighten.

He spoke.

"Young gentlemen of the Empire, I ought to warn you that this and the succeeding lectures will be most subversive."

There was a little rustle of incomprehension from the audience-

but by then the lectern light was strong enough to show the twinkling

smile about his eyes that belied his stern mouth, and agreeable

chuckles sounded in the gathering darkness of the tiered seats. Glow

lights grew bright gradually at the students' tables, and they adjusted

their notebooks in the narrow ribbons of illumination. He waited for

the small commotion to subside. -

"Subversive-" He gave them a link to cling to. "Subversive because I shall make every effort to tell both sides of our ancient beginnings with every resource of archaeology and with every clue my diligence has discovered in our epic literature.

"There were two sides, you know-difficult though it may be to believe that if we judge by the Old Epic alone-such epics as the noble and tempestuous Chant of Remd, the remaining fragments of Kratt's Voyage, or the gory and rather out-of-date Battle For the Ten Suns." He paused while styli scribbled across the notebook pages.

"The Middle Epic is marked, however, by what I might call the rediscovered ethos." From his voice, every student knew that that phrase, surer than death and taxes, would appear on an examination paper. The styli scribbled. "By this I mean an awakening of fellow-feeling with the Home Suns People, which had once been filial loyalty to them when our ancestors were few and pioneers, but which turned into contempt when their numbers grew.

"The Middle Epic writers did not despise the Home Suns People, as did the bards of the Old Epic. Perhaps this was because they did not have to-since their long war against the Home Suns was drawing to a victorious close.

"Of the New Epic I shall have little to say. It was a literary fad, a pose, and a silly one. Written within historic times, the sometwo scorepseudo-epics now moulder in the cylinders, where they belong. Our ripening civilization could not with integrity work in the epic form, and the artistic failures produced so indicate. Our genius turned to the lyric and to the unabashedly romantic novel.

"So much, for the moment, of literature. What contribution, you must wonder, have archaeological studies to make in an investigation of the wars from which our ancestry emerged?

"Archaeology offers-one-a check in historical matters in the epics-confirming or denying. Two-it provides evidence glossed over in the epics-for artistic or patriotic reasons. Three-it provides evidence which has been lost, owing to the fragmentary nature of some of the early epics."

All this he fired at them crisply, enjoying himself. Let them not think him a dreamy litterateur, or, worse, a flat precisionist, but let them be always a little off-balance before him, never knowing what came next, and often wondering, hi class and out. The styli paused after heading Three.

"We shall examine first, by our archaeo-literary technique, the second book of the Chant of Remd. As the selected youth of the Empire, you know much about it, of course-much that is false, some that is true, and a great deal that is irrelevant. You know that Book One hurls us into the middle of things, aboard ship with Algan and his great captain, Remd, on their way from the triumph over a Home Suns stronghold, the planet Telse. We watch Remd on his diversionary action that splits the Ten Suns Fleet into two halves. But before we see the destruction of those halves by the Horde of Algan, we are told in Book Two of the battle for Telse."

He opened one of his books on the lectern, swept the amphitheater again, and read sonorously.

"Then battle broke And high the blinding blast Sight-searing leaped While folk in fear below Covered hi caverns \* From the wrath of Remd-

"Or, in less sumptuous language, one fission bomb-or a stick of time-on-target bombs-was dropped. An unprepared and disorganized populace did not take the standard measure of dispersing, but huddled foolishly to await Algan's gunfighters and the death they brought.

"One of the things you believe because you have seen them hi notes to elementary-school editions of Remd is that Telse was the fourth planet of the star, Sol. Archaeology denies it by establishing that the fourth planet-actually called Marse, by the way-was in those days weather-roofed at least, and possibly atmosphere-roofed as well. As potential warriors, you know that one does not waste fissionable material on a roof, and there is no mention of chemical explosives being used to crack the roof. Marse, therefore, was not the locale of Remd, Book Two.

"Which planet was? The answer to that has been established by X-radar, differential decay analyses, video-coring, and every other resource "of those scientists still quaintly called 'diggers.' We know and can prove that Telse was the third planet of Sol. So much for the opening of the attack. Let us jump to Canto Three, the Storming of the Dynastic Palace.

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"Imperial purple wore they Fresh from the feast Grossly gorged They sought to slay-

"And so on. Now, as I warned you, Remd is of the Old Epic, and makes no pretense at fairness. The unorganized huddling of Telse's population was read as cowardice instead of poor A.R.P. The same is true of the Third Canto. Video-cores show on the site of the palace a hecatomb of dead in once-purple livery, but also shows impartially that they were not particularly gorged and that digestion of their last meals had been well advanced. They didn't give such a bad accounting of themselves, either. I hesitate to guess, but perhaps they accounted for one of our ancestors apiece and were simply outnumbered. The study is not complete.

"That much we know." The professor saw they were tiring of the terse scientist and shifted gears. "If but the veil of time were rent that shrouds the years between us and the Home Suns People, how much more would we learn? Would we despise the Home Suns People as our frontiersman ancestors did, or would we cry: 'This is our spiritual home-this world of rank and order, this world of formal verse and exquisitely patterned arts'?"

If the veil of time were rent-?

We can try to rend it...

Wing Commander Arris heard the clear jangle of the radar net alarm as he was dreaming about a fish. Struggling out of his too-deep, too-soft bed, he stepped into a purple singlet, buckled on his Sam Browne belt with its bolstered .45 automatic, and tried to read the radar screen. Whatever had set it off was either too small or too distant to register on the five-inch C.R.T.

He rang for his aide, and checked his appearance in a wall mirror while waiting. His space tan was beginning to fade, he saw, and made a mental note to get it renewed at the parlor. He stepped into the corridor as Evan, his aide, trotted up-younger, browner, thinner, but the same officer type that made the Service what it was, Arris thought with satisfaction.

Evan gave him a bone-cracking salute, which he returned. They set off for the elevator that whisked them down to a large, chilly, dark underground room where faces were greenly lit by radar screens and the lights of plotting tables. Somebody yelled "Attention!" and the tecks snapped. He gave them "At ease" and took the brisk salute of the senior teck, who reported to him hi flat, machine-gun delivery:

"Object-becoming-visible-on-primary-screen-sir."

He studied the sixty-inch disk for several seconds before he spotted the intercepted particle. It was coming hi fast from zenith, growing while he watched.

"Assuming it's now traveling at maximum, how long will it be before it's within striking range?" he asked the teck.

"Seven hours, sir."

"The interceptors at Idlewild alerted?"

"Yessir."

Arris turned on a phone that connected with Interception. The boy at Interception knew the face that appeared on its screen, and was already capped with a crash helmet.

"Go ahead and take him, Efrid," said the wing commander.

"Yessir!" and a punctilious salute, the boy's pleasure plain at being known by name and a great deal more at being on the way to a fight that might be first-class.

Arris cut him off before the boy could detect a smile that was forming on his face. He turned from the pale lunar glow of the sixty-incher to enjoy it. Those kids-when every meteor was an invading dreadnaught, when every ragged scouting ship from the rebels was an armada!

He watched Efrid's squadron soar off on the screen and then he retreated to a darker corner. This was his post until the meteor or scout or whatever it was got taken care of. Evan joined him, and they silently studied the smooth, disciplined functioning of the plot room, Arris with satisfaction and Evan doubtless with the same. The aide broke silence, asking:

"Do you suppose it's a Frontier ship, sir?" He caught the wing commander's look and hastily corrected himself: "I mean rebel ship, sir, of course."

"Then you should have said so. Is that what the junior officers generally call those scoundrels?"

Evan conscientiously cast his mind back over the last few junior messes and reported unhappily: "I'm afraid we do, sir. We seem to have got into the habit."

"I shall write a memorandum about it. How do you account for that very peculiar habit?"

"Well, sir, they do have something like a fleet, and they did take over the Regulus Cluster, didn't they?"

What had got into this incredible fellow, Arris wondered in amazement. Why, the thing was self-evident! They had a few ships-accounts differed as to how many-and they had, doubtless by raw sedition, taken over some systems temporarily.

He turned from his aide, who sensibly became interested in a screen and left with a murmured excuse to study it very closely.

The brigands had certainly knocked together some ramshackle league or other, but-The wing commander wondered briefly if it could last, shut the horrid thought from his head, and set himself to composing mentally a stiff memorandum that would be posted in the junior officer's mess and put an end to this absurd talk.

His eyes wandered to the sixty-inchers, where he saw the interceptor squadron climbing nicely toward the particle-which, he noticed, had become three particles. A low crooning distracted him. Was one of the tecks singing at work? It couldn't be!

It wasn't. An unsteady shape wandered up in the darkness, murmuring a song and exhaling alcohol. He recognized the Chief Archivist, Glen.

"This is Service country, mister," he told Glen.

"Hullo, Arris," the round little civilian said, peering at him. "I come down here regularly-regularly against regulations-to wear off my regular irregularities with the wine bottle. That's all right, isn't it?"

He was drunk and argumentative. Arris felt hemmed in. Glen couldn't be talked into leaving without loss of dignity to the wing commander, and he couldn't be chucked out because he was writing a biography of the chamberlain and could, for the time being, have any head in the palace for the asking. Arris sat down unhappily, and Glen plumped down beside him.

The little man asked him.

"Is that a fleet from the Frontier League?" He pointed to the big screen. Arris didn't look at his face, but felt that Glen was grinning maliciously.

"I know of no organization called the Frontier League," Arris said. "If you are referring to the brigands who have recently been operating in Galactic East, you could at least call them by their proper names." Really, he thought-civilians!

"So sorry. But the brigands should have the Regulus Cluster by now, shouldn't they?" he asked, insinuatingly.

This was serious-a grave breach of security. Arris turned to the little man.

"Mister, I have no authority to command you," he said measuredly. "Furthermore, I understand you are enjoying a temporary eminence in the non-Service world which would make it very difficult for me to-ah-tangle with you. I shall therefore refer only to your altruism. How did you find out about the Regulus Cluster?"

"Eloquent!" murmured the little man, smiling happily. "I got it from Rome."

Arris searched his memory. "You mean Squadron Commander Romo broke security? I can't believe it!"

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"No, commander. I mean Rome-a place-a time-a civilization. I got it also from Babylon, Assyria, the Mogul Raj-every one of them. You don't understand me, of course."

"I understand that you're trifling with Service security and that you're a fat little, malevolent, worthless drone and scribbler!"

"Oh, commander!" protested the archivist. "I'm not so little!" He wandered away, chuckling.

Arris wished he had the shooting of him, and tried to explore the chain of secrecy for a weak link. He was tired and bored by this harping on the Fron-on the brigands.

His aide tentatively approached him. "Interceptors in striking range, sir," he murmured.

"Thank you," said the wing commander, genuinely grateful to be back in the clean, etched-line world of the Service and out of that blurred, water-color, civilian land where long-dead Syrians apparently retailed classified matter to nasty little drunken warts who had no business with it. Arris confronted the sixty-incher. The particle that had become three particles was now-he counted-eighteen particles. Big ones. Getting bigger.

He did not allow himself emotion, but turned to the plot on the interceptor squadron.

"Set up Lunar relay," he ordered.

"Yessir."

Half the plot room crew bustled silently and efficiently about the delicate job of applied relativistic physics that was 'lunar relay.' He knew that the palace power plant could take it for a few minutes, and he wanted to see. If he could not believe radar pips, he might believe a video screen.

On the great, green circle, the eighteen-now twenty-four-particles neared the thirty-six smaller particles that were interceptors, led by the eager young Efrid.

"Testing Lunar relay, sir," said the chief teck.

The wing commander turned to a twelve-inch screen. Unobtrusively, behind him, tecks jockeyed for position. The picture on the screen was something to see. The chief let mercury fill a thick-walled, ceramic tank. There was a sputtering and contact was made.

"Well done," said Arris. "Perfect seeing."

He saw, upper left, a globe of ships-what ships! Some were Service jobs, with extra turrets plastered on them wherever there was room. Some were orthodox freighters, with the same porcupine-bristle of weapons. Some were obviously home-made crates, hideously ugly-and as heavily armed as the others.

Next to him, Arris heard his aide murmur, "It's all wrong, sir.

They haven't got any pick-up boats. They haven't got any hospital ships. What happens when one of them gets shot up?"

"Just what ought to happen, Evan," snapped the wing commander. "They float in space until they desiccate hi their suits. Or if they get grappled inboard with a boat hook, they don't get any medical care. As I told you, they're brigands, without decency even to care of their own." He enlarged on the theme. "Their morale must be insignificant compared with our men's. When the Service goes into action, every rating and teck knows he'll be cared for if he's hurt. Why, if we didn't have pick-up boats and hospital ships the men wouldn't-" He almost finished it with "fight," but thought, and lamely ended, "-wouldn't like it."

Evan nodded, wonderingly, and crowded his chief a little as he craned his neck for a look at the screen.

"Get the hell away from here!" said the whig commander hi a restrained yell, and Evan got.

The interceptor squadron swam into the field-a sleek, deadly needle of vessels in perfect alignment, with its little cloud of pick-ups trailing, and farther astern a white hospital ship with the ancient red cross.

The contact was immediate and shocking. One of the rebel ships lumbered into the path of the interceptors, spraying fire from what seemed to be as many points as a man has pores. The Service ships promptly riddled it and it should have drifted away-but it didn't. It kept on fighting. It rammed an interceptor with a crunch that must have killed every man before the first bulwark, but aft of the bulwark the ship kept fighting.

It took a torpedo portside and its plumbing drifted through space in a tangle. Still the starboard side kept squirting fire. Isolated weapon blisters fought on while they were obviously cut off from the rest of the ship. It was a pounded tangle of wreckage, and it had destroyed two interceptors, crippled two more, and kept fighting.

Finally, it drifted away, under feeble jets of power. Two more of the fantastic rebel fleet wandered into action, but the wing commander's horrified eyes were on the first pile of scrap. It was going somewhere-

The ship neared the thin-skinned, unarmored, gleaming hospital vessel, rammed it amidships, square in one of the red crosses, and then blew itself up, apparently with everything left in its powder magazine, taking the hospital ship with it.

The sickened wing commander would never have recognized what he had seen as it was told in a later

version, thus:

"The crushing course they took And nobly knew Their death undaunted By heroic blast The hospital's host They dragged to doom Hail! Men without mercy From the far frontier!"

Lunar relay flickered out as overloaded fuses flashed into vapor. Arris distractedly paced back to the dark corner and sank into a chair.

"I'm sorry," said the voice of Glen next to him, sounding quite sincere. "No doubt it was quite a shock to you."

"Not to you?" asked Arris bitterly.

"Not to me."

"Then how did they do it?" the wing commander asked the civilian in a low, desperate whisper. "They don't even wear .45's. Intelligence says their enlisted men have hit their officers and got away with it. They elect ship captains! Glen, what does it all mean?"

"It means," said the fat little man with a timbre of doom in his voice, "that they've returned. They always have. They always will. You see, commander, there is always somewhere a wealthy, powerful city, or nation, or world. In it are those whose blood is not right for a wealthy, powerful place. They must seek danger and overcome it. So they go out-on the marshes, in the desert, on the tundra, the planets, or the stars. Being strong, they grow stronger by fighting the tundra, the planets, or the stars. They-they change. They sing new songs. They know new heroes. And then, one day, they return to their old home.

"They return to the wealthy, powerful city, or nation or world. They fight its guardians as they fought the tundra, the planets, or the stars-a way that strikes terror to the heart. Then they sack the city, nation, or world and sing great, ringing sagas of their deeds. They always have. Doubtless they always will."

"But what shall we do?"

"We shall cower, I suppose, beneath the bombs they drop on us, and we shall die, some bravely, some not, defending the palace within a very few hours. But you will have your revenge."

"How?" asked the wing commander, with haunted eyes.

The fat little man giggled and whispered in the officer's ear. Arris irritably shrugged it off as a bad joke. He didn't believe it. As he died, drilled through the chest a few hours later by one of Algan's gunfighters, he believed it even less.

The professor's lecture was drawing to a close. There was time for only one more joke to send his students away happy. He was about to spring it when a messenger handed him two slips of paper. He raged inwardly at his ruined exit and poisonously read from them:

"I have been asked to make two announcements. One, a bulletin from General Sleg's force. He reports that the so-called Outland Insurrection is being brought under control and that there is no cause for alarm. Two, the gentlemen who are members of the S.O.T.C. will please report to the armory at 1375 hours-whatever that may mean -for blaster inspection. The class is dismissed."

Petulantly, he swept from the lectern and through the door.



