

## *origins of specialization*

OBVIOUSLY we need to pursue further the origins of specialization into deep history, hoping thereby to correct or eliminate our erroneous concepts. Historically we can say that average human beings throughout pre-twentieth-century history had each seen only about one-millionth of the surface of their spherical Earth. This limited experience gave humans a locally-focused, specialized viewpoint. Not surprisingly, humanity thought the world was flat, and not surprisingly humans thought its horizontally-extended plane went circularly outward to infinity. In our schools today we still start off the education of our children by giving them planes and lines that go on, incomprehensibly "forever" toward a meaningless infinity. Such oversimplified viewpoints are misleading, blinding, and debilitating, because

they preclude possible discovery of the significance of our integrated experiences.

Under these everyday, knowledge-thwarting or limiting circumstances of humanity, the comprehensively-informed master venturers of history who went to sea soon realized that the only real competition they had was that of other powerful outlaws who might also know or hope to learn through experience "what it is *all* about." I call these sea mastering people the *great outlaws* or *Great Pirates*—the G.P.'s—simply because the arbitrary laws enacted or edicted by men on the land could not be extended effectively to control humans beyond their shores and put upon the seas. So the world men who lived on the seas were inherently outlaws, and the only laws that could and did rule them were the natural laws—the physical laws of universe which when tempestuous were often cruelly devastating. High seas combined with nature's fog and night-hidden rocks were uncompromising.

And it followed that these Great Pirates came into mortal battle with one another to see who was going to control the vast sea routes and eventually the world. Their battles took place out of sight of landed humanity. Most of the losers went to the bottom utterly unbeknownst to historians. Those who stayed on the top of the waters and prospered did so because of their comprehensive capability. That is they were the antithesis of specialists. They