appoint managers and other employees who believe in the social goals to be pursued and then to set up the mechanism for some kind of periodic personal review of their progress (requiring, in effect, the creation of some kind of independent board of directors).

In conclusion: a structure at the edge of a cliff

Our discussion has led to a "damned if you do, damned if you don't" conclusion. The pure (conglomerate) Divisionalized Form emerges as a configuration symbolically perched on the edge of the cliff, at the end of a long path. Ahead, it is one step away from disintegration—breaking up into separate organizations on the rocks below. Behind it is the way back to a more stable integration, perhaps a hybrid structure with Machine Bureaucracy at some intermediate spot along the path. And ever hovering above is the eagle, attracted by its position on the edge of the cliff and waiting for the chance to pull the Divisionalized Form up to more centralized social control, on another, perhaps more dangerous, cliff. The edge of the cliff is an uncomfortable place to be—maybe even a temporary one that must inevitably lead to disintegration on the rocks below, a trip to that cliff above, or a return to a safer resting place on the path behind.

In other words, we conclude that the Divisionalized Form has the narrowest range of all the configurations. It has no real environment of its own; at best, it piggybacks on the Machine Bureaucracy in the simple, stable environment, and therefore always feels drawn back to that integrated structural form. The pure Divisionalized Form may prove inherently unstable, in a social context a legitimate tendency but not a legitimate structure. The economic advantages it offers over independent organizations reflect fundamental inefficiencies in capital markets and stockholder control systems that should themselves be corrected. And it creates fundamental social problems. Perhaps there is justification only in its intermediate forms—by-product or related-product. It is, after all, the interdependencies among its activities that give an organization its justification, its reason to "organize." Perhaps the pure Divisionalized Form, with so few of these interdependencies, really is an "ideal type"—one to be approached but never reached.

#### THE ADHOCRACY

Prime Coordinating Mechanism: Key Part of Organization:

Main Design Parameters:

Situational Factors:

Mutual adjustment
Support staff (in the
Administrative Adhocracy;
together with the operating
core in the Operating
Adhocracy)

Liaison devices, organic structure, selective decentralization, horizontal job specialization, training, functional and market grouping concurrently Complex, dynamic, (sometimes disparate) environment; young (especially Operating Adhocracy); sophisticated and often automated technical system (in the Administrative Adhocracy); fashionable

None of the configurations so far discussed is capable of sophisticated mnovation, the kind required of a space agency, an avant-garde film company, a factory manufacturing complex prototypes, an integrated petro-themicals company. The Simple Structure can certainly innovate, but only in relatively simple ways. Both the Machine and Professional Bureau-

signed to perfect standard programs, not to invent new ones. And aldoes not encourage innovation. inflexibility in the Machine Bureaucracy, as noted in the last chapter, it, too, is not a true innovator. A focus on control by standardizing outputs though the Divisionalized Form resolves the problem of strategic cracies are performance, not problem-solving, structures. They are de-

society. They appeared repeatedly in our review, in Lawrence and Lorsch's plastics companies, among Woodward's process producers, in NASA and Alvin Toffler popularized in Future Shock, these are the Adhocracies of our ration, one that is able to fuse experts drawn from different disciplines the Boeing Company. into smoothly functioning ad hoc project teams. To borrow the word Sophisticated innovation requires a fifth and very different configu-

it is the newest of the five, the one about which we know the least. The note that Simple Structure, being almost nonstructure, generated a chapter tics of the structure it describes. reader is forewarned that the chapter cannot help reflecting the characteris most complex structure of the five, yet it is not highly ordered. Moreover, to chapters that were highly ordered as well. Adhocracy, in contrast, is the that was short and simple. Machine and Professional Bureaucracy and the Divisionalized Form, being for the most part highly ordered structures, led (Before beginning our discussion of the basic structure, we should

## Description of the Basic Structure

The design parameters

functional units for housekeeping purposes but to deploy them in small, ating experts. and within these teams, which are located at various places in the organinism, within and between these teams; and selective decentralization to market-based project teams to do their work; a reliance on the liaison tion based on formal training; a tendency to group the specialists in ture, with little formalization of behavior; high horizontal job specializa-In Adhocracy, we have a fifth distinct configuration: highly organic struczation and involve various mixtures of line managers and staff and operdevices to encourage mutual adjustment, the key coordinating mecha-

systems. Above all, it must remain flexible. Thus Toffler (1970) notes that innovative organization cannot rely on any form of standardization for ic structure, notably sharp divisions of labor, extensive unit differentiation coordination. In other words, it must avoid all the trappings of bureaucrat highly formalized behaviors, and an emphasis on planning and control To innovate means to break away from established patterns. So the

> not to supply an organization chart, since it would change too quickly to serve any useful purpose." corporation well known for its Adhocracy structure: ". . . we would prefer eight years of its existence (Litzinger et al., 1970:7). A search for organigrams to illustrate this chapter elicited the following response from one hocracy of the 1960s, changed its structure seventeen times in the first the Manned Space Flight Center of NASA, America's most famous Advanish in another, and yet another, reorganization" (p. 128). For example, sometimes a rashness-that makes the head swim. . . . Vast organizarearranged again. Departments and divisions spring up overnight only to tional structures are taken apart, bolted together again in new forms, then Adhocracies "now change their internal shape with a frequency-and

authority if need be. must, to promote innovation. And that means overriding the chain of mation and decision processes flow flexibly and informally, wherever they regulated system does not matter much either. In this configuration, inforthe classical principles of management, especially unity of command. The Of all the configurations, Adhocracy shows the least reverence for

standardization instead of innovation. Rather, it must treat existing knowlskills of these experts to achieve coordination, because that would lead to edge and skills merely as bases on which to build new ones. skills have been highly developed in training programs. But unlike the Professional Bureaucracy, the Adhocracy cannot rely on the standardized hire and give power to experts-professionals whose knowledge and relies on the application of sophisticated expertise. The Adhocracy must understood. So another kind of organic structure is required, one that tion of the sophisticated variety takes place in environments not easily ments, ones that can be easily comprehended by a central leader. Innovato innovate as well. But that innovation is restricted to simple environ-The Simple Structure also retains an organic structure, and so is able

all the problems and the methods. They therefore can assign expertise to a can operate on his own, in the Adhocracy the professionals must amalgamate their efforts. "Traditional organizations can assume that they know 1971:202). Thus, whereas each professional of the Professional Bureaucracy has been frustrating the functional specialists" (Chandler and Sayles, an apparently unrelated field can come up with a solution to a problem that does not know the conventional wisdom, and a bright engineer working in cal specialist can spot a mechanical problem, perhaps in part because he to dominate its behavior, the Adhocracy must instead break through the boundaries of conventional specialization and differentiation. "An electricombination of different bodies of existing ones. So rather than allowing the specialization of the expert or the differentiation of the functional unit Moreover, the building of new knowledge and skills requires the

disciplinary teams, each formed around a specific project of innovation. contrast, in Adhocracies the different specialists must join forces in multisingle specialist or compartmentalized, functional group" (p. 203). In sharp

in a matrix structure. The experts are grouped in functional units for tends to use the functional and market bases for grouping concurrently, unnovation. like—but then are deployed in project teams to carry out their basic work of housekeeping purposes-for hiring, professional communication, and the professional yet allowing him to maintain his ties to his field of expertise" (Chandler and Sayles, p. 15)? The solution is obvious: The Adhocracy How does the organization cope with the problem of "uprooting the

tions to keep changing themselves because of conflicting goals, values, and stead of creating new ones for new goals and problems. It forces organizaefforts among and between the functional units and project teams; the grating managers and liaison positions are established to coordinate the mutual adjustment in the Adhocracy comes an emphasis on the design mechanism of the Adhocracy. And, of course, with the concentration on is direct supervision, because of the complexity of the work. Coordination priorities and builds instability into the very structure of the organization' grouping. As Sayles notes, matrix structure "reuses old organizations intrix structure is favored to achieve concurrent functional and market teams themselves are established as task forces; and, as noted above, maparameter meant to encourage it—namely, the set of liaison devices. Intethe project work. That leaves mutual adjustment, the prime coordinating must be effected by those with the knowledge, the experts who actually do ing mechanism. The efforts must be innovative, not standardized. So, too, teams? As noted earlier, standardization is precluded as a major coordinat-And how is coordination effected in and between these project

integrating managers, project managers. The last-named are particularly adjustment among their members, and each team needs a designated leadnumerous, since the project teams must be small to encourage mutual others on the project teams. managers are, in fact, experts, too, who take their place alongside the different teams and between them and the functional units. Many of these direct supervision. Instead, they spend a good deal of their time acting in a with the control; it merely reflects the small size of the work units. Most of hocracy, by conventional measures. But that measure has nothing to do er, a "manager." This results in narrow "spans of control" for the Adliaison and negotiating capacity, coordinating the work laterally among the the managers do not "manage" in the usual sense—that is, give orders by Thus, managers abound in the Adhocracy—functional managers,

Professional Bureaucracy—is decentralized. But not in the same way, be With its reliance on highly trained experts, the Adhocracy—like the

and operating work tend to blend into a single effort. That is, in ad hoc

one in the Adhocracy monopolizes the power to innovate. archy, according to the nature of the different decisions to be made.  $N_{\mathrm{O}}$ tributed among managers and nonmanagers at all the levels of the hierthe horizontal and vertical dimensions. Decision-making power is discore, there is a more even distribution of it in all the parts. The decentralture, notably in the support staff and managerial ranks as well as the ization of the Adhocracy is what we labeled selective in Chapter 5, in both operating core. So rather than a concentration of power in the operating cause in the Adhocracy, the experts are distributed throughout the struc-

the Operating Adhocracy and the Administrative Adhocracy. hocracy makes decisions, we must at this point divide it into two types— To proceed with our discussion, and to elaborate on how the Ad-

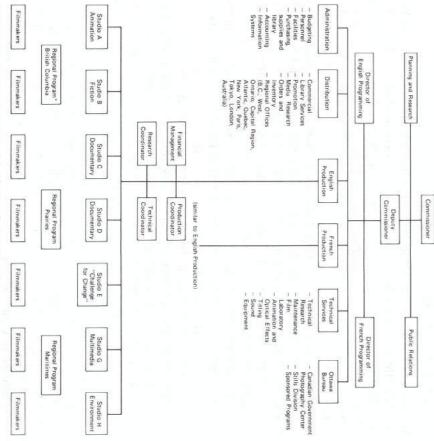
#### The operating adhocracy

er, there is no contract per se, as in the film-making agency or theater agency, or manufacturer of engineering prototypes. In some cases, howevunder contract, as in the think-tank consulting firm, creative advertising half of its clients. Its multidisciplinary teams of experts often work directly The Operating Adhocracy innovates and solves problems directly on be-

nated with the others by virtue of his standardized knowledge and skills. each specialist can function on his own, his work automatically coordicause it standardizes its services, structures itself as a bureaucracy in which organically structured project teams; the Professional Bureaucracy, bevate, its specialists must interact informally by mutual adjustment in trained specialists. But because the Operating Adhocracy seeks to innoproduce them differ radically. Both decentralize power to their highly few. The missions are the same, but the outputs and the structures that finite number of contingencies and solutions; the other restricts itself to a Shakespeare year after year. In effect, one is prepared to consider an innew avant-garde plays to perform; another perfects its performance of strengthen its planning system, or both. One theater company seeks out interprets each as the need to divisionalize the client's structure or ment consulting firm treats each contract as a creative challenge; another tion; the other, in convergent thinking aimed at perfection. One managestandard program. One engages in divergent thinking aimed at innovacracy pigeonholes it into a known contingency to which it can apply a gages in creative effort to find a novel solution; the Professional Bureauorientation. Faced with a client problem, the Operating Adhocracy en-Professional Bureaucracy, one that does similar work but with a narrower A key feature of the Operating Adhocracy is that its administrative In fact, for every Operating Adhocracy, there is a corresponding

ating levels, sometimes to the point where they are able to interchange made, a close rapport must develop between the administrative and opererating specialists on the project teams. And even when distinctions are in the Operating Adhocracy—may take their place right alongside the opers of the middle line and members of what in other organizations would even bother to distinguish its middle levels from its operating core. Managwork from its execution. Both require the same specialized skills, on a be called the support staff—typically a highly trained and important group project-by-project basis. As a result, the Operating Adhocracy may not project work, it is difficult to differentiate the planning and design of the their roles freely.

Canada, a classic Operating Adhocracy (even though it does produce an Figure 12-1 shows the organigram of the National Film Board of



\*No lines shown on original ing Regional Programs to Studios or Filmmakers

ating Adhocracy (circa 1975, used with permission) Figure 12-1. The National Film Board of Canada: an Oper-

latter by region as well as type of film produced). seen to include loose, concurrent functional and market groupings (the technical, and production coordinators). The operating core can also be ber of support units as well as liaison positions (for example, research, an agency of the Canadian federal government and produces mostly short organigram—one that changes frequently, it might be added). The board is films, many of them documentaries. The organigram shows a large num-

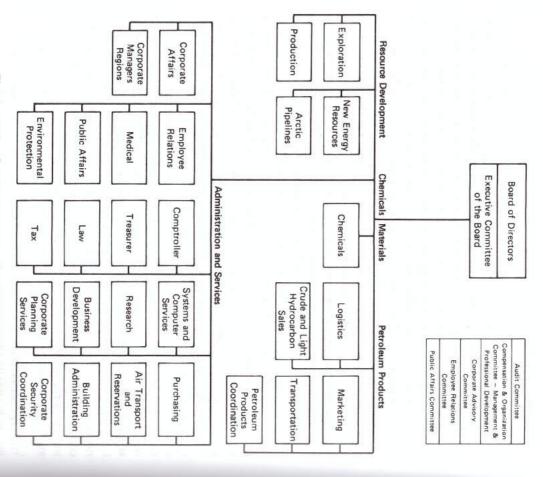
### The administrative adhocracy

istrative component that remains can be structured as an Adhocracy. cated—cut right off from the rest of the organization—so that the adminministrative component and operating core. The operating core is trunthe Administrative Adhocracy makes a sharp distinction between its adprojects to serve itself. And in sharp contrast to the Operating Adhocracy, projects to serve its clients, the Administrative Adhocracy undertakes its toward a different end. Whereas the Operating Adhocracy undertakes The second major type of Adhocracy also functions with project teams, but

and innovation, with projects to bring new operating facilities on line. component. The latter, because it need not give attention to routine operating matters, can structure itself as an Adhocracy, concerned with change need for direct supervision or other direct control from the administrative out to independent manufacturing firms. A third form of truncation arises because an automated operating core is able to run itself, largely free of the when the operating core becomes automated. This amounts to truncation conducted much of its own development work but contracted production concentrate on development work. Thus, for the Apollo project, NASA contracted out to other organizations. This leaves the organization free to Second, the operating core may be done away with altogether-in effect, ponent of the organization can be structured organically for innovation. istration that reports in at the strategic apex—the main administrative com-By truncating the operating core—setting it up apart with its own adminridden with conflict and obsessed by control, too bureaucratic to innovate. core and permeate the administration. The whole organization becomes tensions at the base of the Machine Bureaucracy overflow the operating lished as a separate organization. As we saw in Chapter 9, the social ing core must be machine bureaucratic, the operating core may be estaborganization has a special need to be innovative, perhaps because of intense product competition or a very dynamic technology, but its operat-This truncation may take place in a number of ways. First, when an

innovative unit is cut off from the rest of the central administration, which remains the one that gets up a venture team, a separate organic pocket for innovation. In that case, the The organization that truncates its bureaucratic operating core should not be confused with

operating functions, particularly "Production," are lost by comparison. of "Administration and Services," shown at the bottom of the chart; the reproduced exactly as presented by the company (except for modifications configuration. Figure 12-2 shows the organigram for one oil company, process, are in part at least drawn toward the Administrative Adhocracy to mask its identity, made at the company's request). Note the domination Oil companies, because of the high automation of their production



istrative Adhocracy (circa 1976) Figure 12-2. Organigram of an oil company: an Admin-

Note also the description of the strategic apex in terms of standing committees instead of individual executives.

# The administrative component of the adhocracies

hocracy with expertise, regardless of position. right to advise. Power over decision making flows to anyone in the Adsion and formal authority diminish in importance, the distinction between have the formal power to decide from those who have only the informal line and staff blurrs. It no longer makes sense to distinguish those who from their formal position. And, of course, to the extent that direct superviinfluence deriving from their expertise and interpersonal skill rather than But in this capacity, they act more as peers than as supervisors, their teams, with special responsibility to effect coordination between them. tors. Rather, the managers become functioning members of the project need for line managers to exercise close direct supervision over the operarelatively unimportant part of the organization; in the Operating Adhocracy, the two merge into a single entity. In both cases, there is little Administrative Adhocracy, the operating core is truncated and becomes a ministrative component is unlike that of any other configuration. In the types of Adhocracy, the relation between the operating core and the ad-The important conclusion to be drawn from this discussion is that in both

NASA needs cafeterias.) Some support units must always remain bureaucratic, and apart. Even which the project personnel are drawn. (There are, of course, exceptions. Operating Adhocracy), form part of the central pool of expert talent from staff, together with the line managers (and the operators, in the case of the when spoken to, as in the bureaucratic configurations. Rather, the support ated from other parts of the organization, not off to one side, to speak only cases, as noted above, much of the support staff is not sharply differentiit houses many of them there as well as in its support staff. But in both Adhocracy also depends on experts, but since it retains its operating core, tion houses most of the experts on which it is so dependent. The Operating key part of the Administrative Adhocracy, for that is where this configura-The support staff plays a key role in the Adhocracy. In fact, it is the

line managers and the support staffers as members of the project teams. systems to control other people so much as take their place alongside the ning, although of a rather general kind. But these analysts do not design economic forecasters. As we shall see later, it does do some action planadaptation to its external environment, such as marketing researchers and tion. The Administrative Adhocracy does employ analysts concerned with tion, it has little need for a technostructure to develop systems for regula-Because the Adhocracy does not rely on standardization for coordina-

To summarize, the administrative component of the Adhocracy

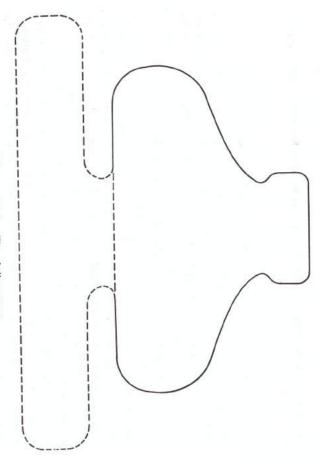


Figure 12-3. The Adhocracy

operators in the Operating Adhocracy), working together in ever-shifting emerges as an organic mass of line managers and staff experts (with relationships on ad hoc projects. Figure 12-3 shows the Adhocracy in apex of the figure is shown partly merged into the central mass as well. We section below the central mass. The reader will also note that the strategic kept apart in a truncated, bureaucratic structure, shown by the dotted tive Adhocracy includes all of these except the operating core, which is line, support staff, technostructure, and operating core. The Administrain the middle. In the Operating Adhocracy, this mass includes the middle terms of our logo, with its parts mingled together in one amorphous mass shall see why in the discussion of strategy formation that follows.

### Strategy formation in the adhocracy

secondarily by the professionals of the operating core themselves, and only trolled primarily by the professional associations outside the structure In the Professional Bureaucracy, the strategy formulation process is conalized Form, the strategic apexes of the divisions as well). In sharp conclearly top-down, controlled by the strategic apex (and in the Divisionoutside-in. In all the other configurations so far discussed, the process is after that by the administrators. In effect, the process is bottom-up, and clearly placed, at the strategic apex or elsewhere. trast, control of the strategy formulation process in the Adhocracy is not

> spond creatively to its dynamic environment.2 from implementation—impedes the flexibility of the organization to reseparates conception from action—planning from execution, formalization ning cannot be extensively relied upon in the Adhocracy. Any process that unskilled" (Goodman and Goodman, 1976:496). That is why action plangration; a construction project may become a training program for the single engine fighter plane may evolve into a twin-engine attack bomber; a funding program for exceptional children may become a strategy for intedecisions: "... goals continue to emerge as the task is pursued ... a decisions. Such patterns at best emerge after the fact, the results of specific or consistency in its stream of decisions—in advance, before it makes its can never be predetermined. So it cannot specify a full strategy—a pattern central purpose of an organization is to innovate, the results of its efforts evolve—that is, are formed—in the Adhocracy. That is because when the jects, what would normally be considered implementation, that strategies egy making—a pillar of the Machine Bureaucracy—loses its meaning in the time. The concept of the formulation-implementation dichotomy in stratcause strategy in these structures is not so much formulated consciously Adhocracy. It is in the making of specific decisions within and about proby individuals as formed implicitly by the decisions they make, one at a Moreover, the process is best thought of as strategy formation, be-

operators—in other words, potentially everyone in the organization. Operating Adhocracy, that includes line managers, staff specialists, and controlled by whoever decides what projects are done and how. And in the the projects being done, it stands to reason that strategy formation is to a few, complex ones. Now if strategy evolves continuously according to it concentrates on a single simple program, professional if it remains open words, which contingencies it will respond to and with which standard zation has determined which markets it will serve, and how; in other structure ceases to be Adhocracy. A stable strategy means that the organiprograms. It has, in effect, restructured itself as a bureaucracy, machine if change. To put this another way, when the strategy does stabilize, the its strategy never really stabilizes, but changes continuously as projects which in turn depends partly on how well it does in its current projects. So quite sure what it will do next. That depends on what projects come along, Consider the case of the Operating Adhocracy, a structure never

change it at will make his strategy explicit, for that would announce it to others and so reduce his flexibility to it, continually reformulating his vision as he receives feedback on his actions. He does not formulates a general vision of direction—a vague strategy—in his head and then implements resolves the issue by focusing control for both at the strategic apex. The chief executive strategy implementation. But because it innovates in simpler ways, the Simple Structure that planning cannot be relied upon and that strategy formulation cannot be separated from <sup>2</sup>The same dynamic conditions apply in the Simple Structure, with the same result—namely

apex and implemented lower down. (If the Board were structured as the experimental themes, and so on. Were the board structured as a Machine geography of Canada and the sociology of its peoples, others on pure short documentary-type films that it makes each year—some about the strategies are those related to the content of the one hundred or so mostly series of stable film-content strategies coming up from the operating core which he would repeat year after year, and the organization would have a filmmaker would have his own standard repertoire of basic film scenarios. film division.) If it were structured as a Professional Bureaucracy, each high. There would be one stable film strategy, formulated at the strategic Bureaucracy, the word on what films to make would come down from on Divisionalized Form, the word would come down from the head of each Take the case of the National Film Board. Among its most important

approve the committee's choices. Thus, operators, middle-line managers submitted to a standing committee, which at the time of this writing conimpose the strategy. The other two-thirds are proposed by the Board's own support staffers, and managers at the strategic apex all get involved in the Distribution (marketing) Branch, and the Director of Production and the sists of four members elected by the filmmakers, two appointed by the employees and are funded from its own general budget. Each proposal is filmmakers can be found, these are accepted, and clients can be thought to sored by agencies of the Canadian government. As long as interested follows none of these procedures. About one-third of its films are sponinitiated by the filmmakers and the executive producers. Each has his own choices of what films to make. But the vast majority of the proposals are Director of Programming. The Commissioner—the chief executive—must dynamic one can be identified, one in a continual state of adaptation. successes and so on. So although there is no stable film-content strategy, a from time to time. But these also change frequently, according to styles and any conclusion about standardization. Certain general themes do develop documentaries, or whatever. But a glance at the Board's catalog invalidates general preferences, whether those be for animated or experimental films. In fact, because it is structured as an Operating Adhocracy, the Board

specialists, and operators, all combined in various task forces and standing who gets involved—and that means top- and middle-level managers, staff organization and say that is where the strategy is formulated. Everyone carrying them out-that we cannot point a finger at any one part of the projects-both in deciding which ones to carry out and then in actually point being made, so many people at so many levels are involved in these Each project leaves its imprint on the strategy. And to return to the basic dreds of these kinds of decisions are made each year in complicated ways is why we concluded earlier that the Operating Adhocracy is decentralized committees—has a hand in influencing the strategy that gets formed. That The Operating Adhocracy's strategy evolves continuously as hun-

> among managerial and nonmanagerial personnel, at all levels of the decision making is distributed widely, in the most complicated of ways, selectively, in both the horizontal and vertical dimensions. The power for

can on the moon before 1970. 1960s, for example, NASA focused on the single goal of landing an Ameria more concentrated product-market sphere of operations. Through the can involve a good deal of the administrative staff of a petrochemical comfor a range of outside clients, the Administrative Adhocracy tends to have pany for years. Moreover, since it carries out its projects only for itself, not almost ten years; similarly, the bringing on line of a new processing plant relationships. NASA's Apollo project involved most of its personnel for attention on fewer projects, which involve more people in interdependent That is because the Administrative Adhocracy tends to concentrate its hocracy, although the strategy-making process is slightly neater there. Similar conclusions can be reached about the Administrative Ad-

with certain parts of the organization. constellations does enable us to identify certain kinds of strategic decisions place where strategy is formulated, although the existence of the work And once again we cannot point to any one part of the organization as the is also decentralized selectively in the vertical and horizontal dimensions. in the decisions that must be made. Hence, the Administrative Adhocracy distributes power to them according to the requirement for their expertise stellation draws on line managers and staff specialists as necessary and research constellations located at various levels of the hierarchy. Each con-Chapter 5 (see Figure 5-2), with manufacturing, marketing, finance, and functional decisions it must make. We saw a clear example of this in each located at the level of the hierarchy commensurate with the kinds of istrative Adhocracy structures itself as a system of work constellations, fully structured than in the Operating Adhocracy. As a result, the Admintions means that the efforts of the various specialists must be more care-Larger, more integrated projects and a more focused sphere of opera-

dynamic, iterative process. This inevitably disperses authority, since a an organization thought to rely heavily on planning, that "turns out to be a namely, those that determine which projects are undertaken and how these projects turn out—that strategies evolve. Even in the case of NASA, Again, therefore, it is only through the making of specific decisionswhich the work constellations can proceed to make their specific decisions. planning can take place, one that sets out broad, flexible guidelines within worked out en route, by trial and error. So only a general kind of action tion may be known, the means for reaching it are not. These must be such planning, however, is that although the end or goal of the organizafor action planning in the Administrative Adhocracy. The problem with The need to structure the efforts of the specialists also suggests a need

small group of expert, high-level 'planners' cannot define strategy' (Chandler and Sayles, 1971:7).

#### The roles of the strategic apex

The top managers of the strategic apex of the Adhocracy may not spend much time formulating explicit strategies, but they must spend a good deal of their time in the battles that ensue over strategic choices, and in handling the many other disturbances that arise all over these fluid structures. The Adhocracy combines organic working arrangements instead of bureaucratic ones, with expert power instead of formal authority. Together these conditions breed aggressiveness and conflict. But the job of the top managers is not to bottle up that aggressiveness, as in the Machine Bureaucracy—that would be impossible in any event—but to channel it to productive ends. Thus, the top managers of the Adhocracy (as well as those in its middle line) must be masters of human relations, able to use persuasion, negotiation, coalition, reputation, rapport, or whatever to fuse the individualistic experts into smoothly functioning multidisciplinary teams.

The top managers must also devote a good deal of time to monitoring the projects. Innovative project work is notoriously difficult to control. No MIS can be relied upon to send up complete, unambiguous results. So there must be careful, personal monitoring of projects to ensure that they are completed according to specifications, on schedule, and at the estimates projected (or, more exactly, not excessively late with too great cost overruns).

But perhaps the most important single role of the top management of Adhocracy (especially Operating Adhocracy) is that of liaison with the external environment. The other configurations tend to focus their attention on clearly defined markets, and are more or less assured of a steady flow of work. Not so in the Operating Adhocracy, which lives from project to project and disappears when it can find no more. Since each project is different, the Operating Adhocracy can never be sure where the next one will come from. Moreover, in the Professional Bureaucracy, it is frequently the operators who bring in their own clients. This is less common in the Operating Adhocracy, where the operators work in teams. So that responsibility often falls on the top managers. In the Operating Adhocracy, therefore, the managers of the strategic apex must devote a great deal of their time to ensuring a steady and balanced stream of incoming projects. That means developing liaison contacts with potential customers and negotiating contracts with them.

Nowhere is this more clearly illustrated than in the consulting business, particularly where the approach is innovative and the structure therefore Adhocracy in nature. An executive once commented to this author that "every consulting firm is three months away from bankruptcy."

In other words, three dry months could use up all the surplus funds, leaving none to pay the high professional salaries. And so when a consultant becomes a partner in one of these firms—in effect, moves into the strategic apex—he normally hangs up his calculator and becomes virtually a full-time salesperson. It is a distinguishing characteristic of many an Operating Adhocracy that the selling function literally takes place at the strategic apex.

Project work poses similar problems in the Administrative Adhocracy, with similar results. Reeser asked a group of managers in three aerospace companies, "What are some of the human problems of project management?" Among the common answers were two related to balancing the workload:

- The temporary nature of the organization often necessitates "make work" assignments for its displaced members after the organization has been disbanded, until productive jobs can be found for them. Sometimes the "make-work" assignments last so long that the individuals lose initiative.
- Members of the organization who are displaced because of the phasing out of the work upon which they are engaged may have to wait a long time before they get another assignment at as high a level of responsibility. (1969:463)

And so the top managers of the Administrative Adhocracy must also devote considerable attention to liaison and negotiation activities in order to ensure a steady stream of work. As Chandler and Sayles note in the case of NASA, dependent on government budgets and public support in general, "a good deal of the time of the key top managers was devoted to external relations with various units of the Executive Branch, with Congress, and with key public groups representing private business, universities, the scientific community, and various international interests" (1971:173).

### Conditions of the Adhocracy

#### Basic environment

The conditions of the environment are the most important ones for this configuration; specifically, the Adhocracy is clearly positioned in an environment that is both dynamic and complex. According to Hypotheses 9 and 10, a dynamic environment calls for organic structure and a complex one calls for decentralized structure. And Adhocracy is the only configuration that is both organic and relatively decentralized. In effect, innovative work, being unpredictable, is associated with a dynamic environment; and the fact that the innovation must be sophisticated means that it is difficult

complexity together prevail, in organizations ranging from guerrilla units to comprehend—in other words, associated with a complex environment. the first man on the moon. to space agencies. There is no other way to fight a war in the jungle or put Thus, we find Adhocracies wherever the conditions of dynamism and

ments; those that prefer Adhocracy find environments that are dynamic, structure themselves as Professional Bureaucracies seek out stable environnoted earlier, advertising agencies and consulting firms that prefer to where the client needs are unpredictable. them. This is especially clear in the case of the Operating Adhocracy. As particular structures also try to "choose" environments appropriate to As we have noted for all the configurations, organizations that prefer

closest to Professional Bureaucracy for their routine clinical and teaching else, or corporations in high-technology industries that are heavily influable to work alone when they apply their standard knowledge and skills, precludes real innovation. So even though their professionals are often Their orientation to convergent, deductive thinking in their routine work work, are drawn to Adhocracy when they do truly innovative research. competitive. Even hospitals and universities, described in Chapter 10 as enced by their research efforts—are drawn to the Adhocracy configuration knowledge and skills. they must often join in organic multidisciplinary teams to create neu because their work is by its very nature complex, unpredictable, and often Research-based organizations—whether laboratories that do nothing

### Disparate forces in the environment

to deal with different aspects of its environment and then integrate all their tive Adhocracy. The organization must create different work constellations work constellations—in other words, to structure itself as an Administraenvironment encourage it to decentralize selectively to differentiated Hypothesis 13 of Chapter 6 indicated that disparities in an organization's

of divisionalization by region denied the interdependencies that arose from ing, making the choice of one over the other an agonizing one. The choice a near balance of the pressures to adopt each of these two bases of groupmarketing the same products in different places, resulting, for example, in by product line.3 But recent changes in their environments have resulted in the Divisionalized Form, grouping their major divisions either by region or multinational firms. For years these firms have been predisposed to using This seems to have happened recently in the case of a number of

3Some used the multiple-divisionalized form, having both kinds of divisions, but with one over the other in the hierarchy.

> alized Form, these firms traded off one interdependence against the other. marketing units in the same region. Intent on maintaining the Division-Or else they found themselves acting schizophrenically, changing their pendences across product lines, requiring, for example, many different hand, the choice of divisionalization by product line ignored the interdethe duplication of manufacturing faculties in each region. On the other

dynamism in their environment, will feel drawn toward the division-Bureaucracy, and Divisionalized Form. fourth stage of structural development, after Simple Structure, Machine alized adhocracy hybrid. For them at least, Adhocracy becomes a natural their different product lines, and facing increasing complexity as well as Nevertheless, those multinational firms with interdependencies among firms have moved in this direction, but no evidence yet of a general trend. essence, disparate) than others. There is evidence that some multinational Form, but parts of its environment are more complex and dynamic (in markets are diversified, like all organizations that use the Divisionalized acteristics of both the configurations from which it derives its name. Its ture could emerge, which we can call the divisionalized adhocracy, with charand an all-region (worldwide) product division manager. A hybrid strucgiven region could report to both an all-product regional division manager dispense with the principle of unity of command. A product manager in a regional and product divisions at the same level of the hierarchy, in a permanent matrix structure—as long, of course, as they were prepared to presented with a logical solution to their dilemma. They could establish basis of grouping back and forth in a kind of perpetual game of Ping-Pong. With the emergence of matrix structure, however, these firms were

supervision from headquarters, which involves a shift of the entire struc-In the divisionalized organization not by more standardization and direct corporations we just discussed: the concurrent needs to respect regional knowledge and to achieve interregional coordination. That can be resolved (p. 17). Essentially, UNICEF faced the same dilemma as the multinational learning and adaptation throughout the organization is so extremely high" SIAR group, UNICEF required a different structure because "the need for it comes to dominate the communication channels. In the opinion of the which leads to further efforts by headquarters to control the divisions, until ignore their policies because they are out of touch with the local needs, tion: The headquarters staff tries to control the regional divisions, which agency. They describe the UNICEF structure at the time of their study as a quarters control. That leads to the vicious circle of one-way communicaregional Divisionalized Form but with a tendency toward too much headtive Research (SIAR, 1975) propose such a structure for that United Nations commercial organizations that face similar conditions. In a thoughtprovoking study for UNICEF, the Scandinavian Institutes for Administra-The divisionalized adhocracy may also have some relevance for non-

organic structure, built around flexible projects carried out by work or team structure should be used in the field. The result would be a more what amounts to a divisionalized adhocracy for UNICEF: Considerable divisions, which involves a shift toward Adhocracy. Thus, SIAR proposes constellations. headquarters staff should advise rather than supervise; and an interactive power should be delegated to the regions, according to their expertise; the ture toward Machine Bureaucracy, but by more mutual adjustment among

orientation of the job of regional director to professional senior rather than sionalism in attitude, type of work, career pattern, and training; the reniques; in their place, occasional "extended visits" by a headquarters team ommendations: the elimination of one tier in the divisionalized hierarchy alized organization wishing to move toward Adhocracy. Among the recstructural change—a list that may, in fact, be practical for any divisionreporting, controlling, and explaining, administrative supervisor; and the reorientation of internal communication executive; the institution of matrix structure; the encouragement of profeswith a broad rather than a functional orientation and led by the chief work at headquarters; a reduction in the use of performance control tech which would work with new knowledge networks; the use of more teamgration of the planning and programming functions at headquarters poration) in order to reduce the emphasis on direct supervision; the inte-(such as the group vice-president level in the multiple-divisionalized corflows to emphasize dialogue, problem solving, and learning rather than The SIAR report proposes a list of measures to effect the proposed

#### Frequent product change

an Operating Adhocracy. Woodward describes such a structure in the unitstitutes a new project, the organization is encouraged to structure itself as company that produces prototypes. Because each customer order conmakes each of its products to order, as in the case of the engineering extreme case is the unit producer, the manufacturing firm that customdynamic conditions that result from very frequent product change. The the middle-level development engineers having considerable power. production firms she studied—organic and rather decentralized, but with A number of organizations are drawn toward Adhocracy because of the

sophisticated project work—design and sometimes manufacturing—under dent on highly trained experts who work in interdisciplinary project teams being complex and their environments dynamic, these firms are depen industries such as defense, aerospace, and atomic energy. Their work direct contract to the U.S. government or to the larger corporations in those surrounding Boston on Route 128. For the most part, these firms do Similar to the unit producer is the small high-technology firm, such as

> a hybrid between Operating Adhocracy and Simple Structure, which we call the entrepreneurial adhocracy. they are as highly trained as their employees.) So the structure emerges as maintain personal control. (They are able to do so, of course, only because But these firms are also small and owned by individual entrepreneurs who

bureaucratic production process. copy, page layouts, clipped photographs—which become the inputs to the completes its work and then converts it into standardized format-typed outputs serving as the one interface. The Adhocracy editorial department truncation. The different functions are kept well separated, with standard what the content of the issue. So Machine Bureaucracy is called for in these functions. The need for two different structures is, of course, reconciled by environment is extremely stable—the tasks remain unchanged no matter view of the printing and distribution functions, there is great repetition thousands, sometimes millions of copies of the same issue. And their Adhocracy is called for in the editorial department. But from the point of tographers, editors, and others must be integrated into a single product. So very short deadlines. Moreover, the efforts of all kinds of reporters, phomagazines, which must report a vast world of fast-breaking news with rather complex, especially in the case of daily newspapers and newsdifferent. Moreover, the environment is typically very dynamic and often From the editorial point of view, every product—that is, every issue—is Another variant of the unit producer is the newspaper or magazine.

Other examples of competitive adhocracies are found in the cosmetics, nothing quite so dead as yesterday's number one hit on the hit parade."4 some song by an artist to the last sale of the single to stores. There is pharmaceuticals, and plastics industries. life of a 45 rpm is three months. This is measured from the idea of releasing ing talent required extremely fast response based on a great deal of inside earlier. Its dramatically short product life cycle and fluid supply of recordshall call the competitive adhocracy is the pop recording company discussed knowledge. As the student group that did the study noted, "The product structure toward the Adhocracy form. An excellent example of what we again, dynamic conditions, when coupled with some complexity, drive the petitive that they must change their products almost continuously. Here Some manufacturers of consumer goods operate in markets so com-

the Simple Structure or Machine Bureaucracy. In contrast, product coming is simpler to understand and deal with, and so often can be handled in leads to this kind of configuration. Competition based on price or marketpetition requires more serious innovation and more complex decision mak-It should be noted that it is probably only product competition that

<sup>&</sup>lt;sup>4</sup>From a paper submitted to the author in Management Policy 276-661, November 1972, by

with the pop recording company). delegated to constellations lower down in the hierarchy (as was the case stellations, and product design, development, and marketing decisions are type. Finance and pricing decisions remain in the more senior work con-Adhocracy becomes the favored configuration, and of the administrative ing, often based on sophisticated research and development activity. So

## Youth as a condition of the adhocracy

organically, since they are still finding their way and also since they are coin, according to Hypothesis 1, young organizations tend to be structured a steady flow of truly innovative, ad hoc projects. All kinds of forces drive youth, with early stages in the development of organizational structures typically eager for innovative, ad hoc projects on which to test themselves. the Adhocracy to bureaucratize itself as it ages. On the other side of the for long periods of time—to keep behaviors from formalizing and to ensure very stable configuration. It is difficult to keep any structure in that state hocracy. One is age-or more exactly, youth-since Adhocracy is not a A number of nonenvironmental conditions are also associated with Ad-So we can conclude that the Adhocracy form tends to be associated with

outputs, the Operating Adhocracy can never be sure where its next project can close it down literally overnight. thing, it faces a risky market, which can quickly destroy it. Unlike the will come from. A downturn in the economy or the loss of a major contract Professional Bureaucracy or Machine Bureaucracy, with their standardized The Operating Adhocracy is particularly prone to a short life. For one

contingencies and programs. And this tends to suit its employees, who, ages it to repeat certain projects, in effect to focus its attention on specific tul organization develops a reputation for what it does best. That encourstable conditions and more bureaucratic structure. Over time, the successcourage a metamorphosis in the Operating Adhocracy, driving it to more others have short lives because they succeed. Success-and aging-enorganization survives, but the configuration dies. cracy to concentrate on the programs it does best, sometimes even toward Operating Adhocracy is driven over time toward the Professional Bureaugrowing older themselves, welcome more stability in their work. So the the Machine Bureaucracy to exploit a single program or invention. The But if some Operating Adhocracies have short lives because they fail

change its structure while remaining in the same industry. In choosing that more bureaucratic structure, notably of the machine type. But unlike the innovating, or to innovate in stereotyped ways, and thereby to revert to Operating Adhocracy, the Administrative Adhocracy typically cannot pressures to bureaucratize as they age. This leads many to try to stop Administrative Adhocracies typically live longer. They, too, feel the

> may have no choice but to structure themselves as Adhocracies. pharmaceuticals companies—at least those facing severe competition tion will eventually destroy the organization. Newspapers and plastics and industry, it chose a complex, dynamic environment. Stereotyped innova-

from a year to a decade to carry out a single task. single Games. A related variant is the mammoth project adhocracy, a giant temporary adhocracy that draws on thousands of experts for anywhere that overthrows a single government, the Olympic Committee that plans a campaign committee that promotes a single candidate, the guerrilla group society: the production group that performs a single play, the election rary adhocracies are becoming common in a great many spheres of modern different organizations to carry out a project, and then it disbands. Tempomight be called the temporary adhocracy. It draws together specialists from alent of paper dresses or throw-away tissues" (Toffler, 1970:133)—which themselves as they age, a variant has emerged—"the organizational equiv-In recognition of the tendency for organizations to bureaucratize

avoid the pressure to bureaucratize that comes from growing large. of the multidisciplinary teams they can organize, and by their desire to middle-sized, constrained by the projects they do, by the number and size very large indeed. However, Operating Adhocracies tend to be small or age for the Adhocracy. Administrative Adhocracies in particular can grow This last variant suggests that size is a less important condition than

# Technical system as a condition of the adhocracy

posite. Many organizations use the Administrative Adhocracy because tems, the case for Administrative Adhocracies is frequently quite the opsional Bureaucracies, tend to have simple, nonregulating technical sysconfiguration. Although Operating Adhocracies, like their sister Profes-Technical system is another important condition in certain cases of this

operating core, and over from the middle line. The organization is drawn organization, drawing power down from the strategic apex, up from the to the Administrative Adhocracy configuration. The result is that support staffers emerge as powerful members of the the knowledge, power, and flexible working arrangements to cope with it. work. In other words, complex machinery requires specialists who have staff; and that staff, in turn, must use the liaison devices to coordinate its must give considerable power over its technical decisions to that support is sophisticated, the organization requires an elaborate, highly trained support staff to design or purchase, modify, and maintain it; the organization their technical systems are sophisticated and perhaps automated as well. As described in Hypothesis 7 of Chapter 6, when its technical system

forces in the same direction. As we also saw in Chapter 6, the Machine Automation of a sophisticated technical system evokes even stronger

the type we call the automated adhocracy. istrative structure becomes more decentralized and organic, emerging as reduction in conflict; the technostructure loses its influence, since control is indifferent to who turns their knobs), which leads to another important structure; the distinction between line and staff blurs (machines being workers by the rules and standards of the analysts. Overall, the adminbuilt into the machinery itself by its designers rather than imposed on tors disappears, and with it goes the control mentality that permeates its dramatic metamorphosis. The problem of motivating uninterested opera-Bureaucracy that succeeds in automating its operating core undergoes a

small manufacturer of one line of hand creams—that the Simple Structure own retail outlets). Finally, there are the automated process producers operating functions (such as marketing in the oil company with many of its cies in some cases because they require large routine work forces for other strong Machine Bureaucracy as well as Administrative Adhocracy tendensuffices instead of the Administrative Adhocracy. with such simple environments and technical systems—for example, the process producers that, although highly automated in production, exhibit companies, discussed in Chapter 9, are a case in point. Then there are the operating work forces that draw them toward Machine Bureaucracy. Steel Many are, in fact, far from fully automated, and therefore require large But it should be noted that not all process firms use this configuration. description of the process producers fits Administrative Adhocracy to a T. be drawn toward Adhocracy). That is presumably why Joan Woodward's cals and cosmetics (another reason why firms in the latter industry would Automation is common in the process industries, such as petrochemi-

# Fashion as a condition of the adhocracy

and automated technical systems, youth, and environments that are comcharacteristic of the Adhocracy is very much in vogue today: emphasis on without a single concentration of power, matrix structure, sophisticated expertise, organic structure, project teams and task forces, decentralization instead of standardization and thereby drive their structure toward Adoperators of the Professional Bureaucracy care to encourage innovation Bureaucracy is able to take control of certain technical decisions or the plex and dynamic. Ansoff's enthusiasm is typical of many of today's "fuhocracy. But fashion most decidedly is a condition of Adhocracy. Every the Adhocracy, except to the extent that the support staff of the Machine We come now to the power factors. Power itself is not a major condition of

change as revolutionary as the transition from static trenches to mobile warbased on a Maginot line concept of "permanent" or at best "semi-permafare. A vast majority of technology used in design or organizations today is ... in the next ten years the concepts of structure and capability are due for a

> is toward the concept of flexible task-responsive "mobile warfare" canent" structures. If the reasoning in this paper is only half-correct, the trend

who believe organizations must become at the same time more democratic cated and highly automated. It is the only structure now available to those yet less bureaucratic. manding of innovation, and for technical systems becoming more sophistithe structure for environments that are becoming more complex and deas an integrated whole instead of a collection of loosely coupled parts. It is constant exhortation to adopt the "systems" approach—to view the world today's, then Adhocracy is clearly tomorrow's. This is the structure for a structures, and Professional Bureaucracy and the Divisionalized Form are population growing ever better educated and more specialized, yet under If Simple Structure and Machine Bureaucracy were yesterday's

ration of the last half of the twentieth century. founding of the industry, will no doubt identify Adhocracy as the configuverify his conclusion of 1965 that organizational structure reflects the age of dants, should they choose sometime during the twenty-first century to all the industries that grew up since World War II. Stinchcombe's descenconsulting, research, advertising, filmmaking, petrochemicals-virtually be in the new industries of our age-aerospace, electronics, think-tank place. And that place, as the examples of this chapter make clear, seems to ture for all organizations. Like all the other configurations, it too has its Yet despite our current infatuation with it, Adhocracy is not the struc-

# Some Issues Associated with Adhocracy

a configuration as complex as Adhocracy. learn about its weaknesses as well as its strengths, especially in the case of required to bring its issues into focus—time to live with the structure and its advantages and blind to its problems. With this kind of support, time is the old ones could not, attracts a dedicated following—one enamored with Adhocracy is new. And every new structure, because it solves problems But all these configurations have been around for some time. In contrast, sional Bureaucracy, and, more recently, of the Divisionalized Form as well. has also been quite a bit of discussion of the issues associated with Profesin the literature, especially those concerning alienation and conflict. There associated with Machine Bureaucracy have been discussed at great length advantages and disadvantages are by now taken for granted. The issues the newest of the five configurations. Simple Structure is so old that its There has been little exploration of the issues associated with Adhocracy,

parent, and three in particular merit attention here: its ambiguities and the Nevertheless, some of the issues associated with Adhocracy are ap-

propensity to make inappropriate transitions to other configurations. reactions of people who must live with them, its inefficiencies, and its

### Human reactions to ambiguity

a great place to work. In essence, Adhocracy is the only configuration for concentration of power. That leaves them only one configuration. Adthose who believe in more democracy with less bureaucracy. hocracy is the one that is both organic and decentralized. Thus they find it Many people, especially creative ones, dislike both structural rigidity and

Stalker, 1966:122-23). managers all the time, yearn for more definition and structure" (Burns and ambiguity. "In these situations, all managers some of the time, and many periodically exhibit the same low tolerance for its fluidity, confusion, and no place to spend a career. Even dedicated members of the Adhocracies dislike the relationships of Adhocracy, viewing it as a nice place to visit but Bureaucracy, a life of stability and well-defined relationships. They, in fact pia. As we saw in Chapter 9, there are those who prefer the life of Machine Furthermore, not everyone shares the same vision of organizational utopants—as forcing Machine Bureaucracy on a complex, dynamic one. vironment is as unnatural—and therefore as unpleasant for the particiditions must call for it. Forcing Adhocracy on, say, a simple, stable en-But not every structure can be an Adhocracy. The organization's con-

of communication; random and unplanned personal development because of member loyalty owing to frequent transfers between project organizaanxiety related to the eventual phaseout of the projects; confusion of memeight responses Reeser reports, six, in fact, relate to structural ambiguities are some of the human problems of project organization?" Of the other resources, recognition, and rewards. of the short time under any one manager; and intense competition for tions; a lack of clarity in job definitions, authority relationships, and lines bers as to who their boss is, whom to impress to get promoted; low sense received when he asked managers in three aerospace companies, "What Earlier we discussed two of the common responses Reeser (1969)

as noted earlier, what it does is establish an adversary system, thereby supportive of the fit, as long as they remain fit, and more destructive of the institutionalizing organizational conflict. clawing at each other to get up, or out. Take, for example, matrix structure ruthless-breeding grounds for all kinds of political forces. The French weak. Structures this fluid tend to be highly competitive and at times urations. No structure can be more Darwinian than the Adhocracy—more politicization of the structure. Coupling its ambiguities with its interdehave a graphic expression for this: un panier de crabes—a basket of crabs, all pendencies, Adhocracy emerges as the most politicized of the five config Reeser's last point raises another major problem of ambiguity, the

> at least—a strong individualist. he, like his colleague in the Professional Bureaucracy, remains—potentially dards of his profession to the needs of the group, in spite of the fact that requires the specialist to subordinate his individual goals and the stanture, the political games that result are played with few rules. Adhocracy disciplinary teams, and where, owing to the organic nature of the strucwhere specialists from different professions must work together on multilargely on their own, often with their own clients. Not so in the Adhocracy, their incidence is sharply reduced by the fact that the professionals work least these battles are guided by professional norms and affiliations. And to do battle with each other, most often over territorial imperatives. But at pigeonholing, and so on. In the Professional Bureaucracy, for example, of information sent up to the central headquarters, the ambiguities of professional, the resistance of workers to the control mentality, the biasing highly trained experts with considerable power are naturally predisposed defined issues—the power of line versus staff or professional versus nonthe bureaucratic configurations, conflicts and politics are focused on wellfirst place; those who do not like the structure simply get out. And in all his close, personal control precludes much of the political activity in the ture, the politics that do take place are directed at the chief executive. But always contained within well-defined ground rules. In the Simple Strucas we have noted in each of the last four chapters. But these conflicts are There are conflicts that breed politics in the other configurations, too,

Adhocracy; management's job is to channel them toward productive ends. stifle creativity. Conflict and aggressiveness are necessary elements in the Adhocracy, that must not be done—even if it could be. Such efforts only spend a good deal of time trying to bottle up the conflict. But in the In bureaucracies—especially of the machine type—management must

#### Problems of efficiency

producer, unable to standardize and so to be efficient. they gain efficiency through standardization. The Adhocracy is a custom designed for the extraordinary. The bureaucracies are all mass producers; an efficient structure. Although it is ideally suited for the one-of-a-kind Or, unfortunately, for the costs of that innovation. Adhocracy is simply not project, the Adhocracy is not competent at doing ordinary things. It is than that of Adhocracy. None can match it for sophisticated innovation. No structure is better suited to solving complex, ill-structured problems

one up above gives an order and that is that. Not so in the Adhocracy Everyone gets into the act. First are all the managers who must be connication. People talk a lot in these structures; that is how they combine Faced with the need to make a decision in the Machine Bureaucracy, sometheir knowledge to develop new ideas. But that takes time, a great deal The root of its inefficiency is the Adhocracy's high cost of commu-

creative solution to a complex, ill-structured problem. and will probably be modified later. All this is the cost of having to find a emerges—that in itself is an accomplishment—although it is typically late settles down to hard bargaining about the favored one. Finally, a decision alliances build and fall around different solutions, and eventually everyone is defined and redefined, ideas for its solution are generated and debated, sion. Then those people settle down to the decision process. The problem another meeting, eventually to decide who should participate in the decirepresented in the decision. A meeting is called, probably to schedule there are all the specialists who believe their point of view should be sulted-functional managers, project managers, liaison managers. Then

decision, is often encountered. Machine Bureaucracy, where resistance by the operators, not party to the made. So the execution stage can be smoother in the Adhocracy than in the ticipation in decision making ensures widespread support for the decisions ing a decision are partially recuperated in its execution. Widespread par-It should be noted, however, that the heavy costs incurred in reach-

want of work; in March, they are working overtime with no hope of comsonnel of a project structure—high-priced personnel, it should be noted pleting the new project on time. busy on a steady basis. In January, the specialists are playing bridge for workloads, as mentioned earlier. It is almost impossible to keep the per-A further source of inefficiency in the Adhocracy is the unbalanced

## The dangers of inappropriate transition

and customers fed up with the inefficiency try to drive the structure to a change the structure. Employees no longer able to tolerate the ambiguity more stable, bureaucratic form. Of course, one solution to the problems of ambiguity and inefficiency is to

reaucracy. Or else it uses its creative talent one last time to find a single and goes into the business of doing them. It becomes a Professional Buearlier. The organization simply selects the standard programs it does best produce in that niche. market niche, and then turns itself into a Machine Bureaucracy to mass That is relatively easily done in the Operating Adhocracy, as noted

one is called for, the consulting firm ready with a standard technique when criminately. In many spheres, society has more mass producers than it ever easily effected, is not always appropriate. The organization came into sees every new challenge in terms of an old theory. The standard output of the client has a unique problem, the medical or university researcher who laboratory that comes up with a modification of an old design when a new needs; what it lacks are true problem solvers. It has little need for the being to solve problems imaginatively, not to apply standards indis-But the transition from Operating Adhocracy into bureaucracy, how-

bureaucracy will not do when the conditions call for the creativity of

creativity, and the result is standardization. Adhocracy. But elsewhere the pressures of the routine neutralize choice of the networks—and so lend themselves to the creative approach of every program. And the specials really are ad hoc-in this case, by the namic environment. The networks can control and therefore stabilize the series, but never the news. Every day is different, and so, therefore, is Adhocracy. The news department, like the newspaper, faces a truly dynews and the specials, for reasons already suggested in our discussion of tion of the old movies. Interestingly, the two bright spots on TV are the ter, characters in serials that are interchangeable between channels, repetitures: stereotyped programming, stale jokes supported by canned laugh-Bureaucracy. And the results are what one would expect of such struccomparable accounts in the literature suggest strong elements of Machine Jay's comments on his experiences as a producer for the BBC and other, think they would tend toward Professional Bureaucracy structures, but basis, hour after hour, night after night, with never a break. One would works. Despite their need to be creative, the networks face one irresistible pressure to bureaucratize: the requirement that they produce on a routine This seems to describe some of the problems of the television net-

of structure, never clearly isolating either, to the detriment of both. falling into a schizophrenic state, continually wavering between two kinds interruption. In the absence of such differentiation, the organization risks the greatest potential for research—often poor teachers—to do it without function from teaching activities. These centers enable the professors with example, serve their regular clients yet also produce creative research. Universities sometimes set up research centers to differentiate the research tinely yet also be creative. Universities and teaching hospitals must, for Other organizations face these same dual pressures—to produce rou-

ability to innovate, can eventually destroy the organization itself. sion to Machine Bureaucracy—the natural transition for the Administrative Adhocracy tired of perpetual change—by destroying the organization's often select new clients yet remain in the same industry. And so its conver-So unlike the Operating Adhocracy, the Administrative Adhocracy cannot requiring sophisticated innovation, typically cut across the entire industry. for itself, in its own industry. The conditions of dynamism and complexity, when it succumbs to the pressures to bureaucratize. It exists to innovate The Administrative Adhocracy runs into more serious difficulties

such configurations in this last section of the book; their dimensions are situational factors form a coherent configuration. We have delineated five summarized in Table 12-1. as the design parameters are internally consistent and together with the general, there is no one best structure; in particular, there may be, as long To reiterate a central theme of our discussion throughout this book: in TABLE 12-1. Dimensions of the Five Configurations\*

	Simple Structure	Machine Bureaucracy	Professional Bureaucracy	Divisionalized Form	Adhocracy
Key coordinating mechanism	Direct supervision	Standardization of work	Standardization of skills	Standardization of outputs	Mutual adjustment
Key part of organization	Strategic apex	Technostructure	Operating core	Middle line	Support staff (with operating core in Op. Ad.)
Design parameters:				5 1	
Specialization of jobs	Little specialization	Much horizontal and vertical special- ization	Much horizontal specialization	Some horizontal and vertical specialization (between divi- sions and HQ)	Much horizontal specialization
Training and indoctrination	Little training and indoctrination	Little training and indoctrination	Much training and indoctrination	Some training and indoctrination (of division managers)	Much training
Formalization of behavior, bureaucratic/ organic	Little formalization, organic	Much formalization, bureaucratic	Little formalization, bureaucratic	Much formalization (within divisions), bureaucratic	Little formalization, organic
Grouping	Usually functional	Usually functional	Functional and market	Market	Functional and market
Unit size	Large	Large at bottom, small elsewhere	Large at bottom, small elsewhere	Large (at top)	Small throughout
Planning and control systems	Little planning and control	Action planning	Little planning and control	Much performance control	Limited action planning (esp. in Adm. Ad.)
Liaison devices	Few liaison devices	Few liaison devices	Liaison devices in administration	Few liaison devices	Many liaison devices throughout
Decentralization	Centralization	Limited horizontal decentralization	Horizontal and verti- cal decentralization	Limited vertical decentralization	Selective decentralization
Functioning:					
Strategic apex	All administrative work	Fine-tuning, coordi- nation of func- tions, conflict resolution	External liaison, conflict reso- lution	Strategic portfolio, performance control	External liaison, conflict resolu- tion, work bal- ancing, project monitoring
Operating core	Informal work with little discretion	Routine, formalized work with little discretion	Skilled, standard- ized work with much individual autonomy	Tendency to for- malize owing to divisionalization	Truncated (in Adm. Ad.) or merged with administra- tion to do infor- mal project work (in Op. Ad.)

Middle line	Insignificant	Elska			
	was funcant	Elaborated and dif ferentiated; con- flict resolution, staff liaison, sup port of vertical flows	fessionals; mucl	b- Formalization of h division strategy managing opera- tions	Extensive but blurred with staff; involved i project work
Technostructure	None	Elaborated to formalize work	Little	Elaborated at HQ for performance control	Small and blurred within middle in
Support staff	Small	Often elaborated to reduce uncer- tainty	Elaborated to sup- port profes- sionals; Mach. Bur. structure		project work Highly elaborated (esp. in Adm. Ad.) but blurred within middle in
Flow of authority	Significant from top	Significant throughout	Insignificant (except in sup- port staff)	Significant throughout	project work Insignificant
Flow of regulated system	Insignificant	Significant throughout	Insignificant (except in sup- port staff)	Significant throughout	Insignificant
Flow of informal communication Work	Significant	Discouraged	Significant in administration	Some between HQ and divisions	Significant
constellations Flow of decision	None	Insignificant, esp. at lower levels	Some in admini- stration	Insignificant	Significant through- out (esp. in
making	Top-down	Top-down	Bottom-up	Differentiated between HQ and divisions	Adm. Ad.) Mixed, all levels
Situational factors:				3.7010113	
Age and size	Typically young and small (first stage)	Typically old and large (second stage)	Varies	Typically old and very large (third stage)	Typically young (Op. Ad.)
Technical system	Simple, not regulating	Regulating but not automated, not sophisticated	Not regulating or sophisticated	Divisible, otherwise typically like Mach. Bur.	Very sophisticated, often automated (in Adm. Ad.); not regulating or sophisticated (in
Environment	mic; sometimes hostile	Simple and stable	Complex and stable	and stable; diver- sified markets (esp. products	Op. Ad.) Complex and dynamic; sometimes disparate (in Adm. Ad.)
Power	Chief executive control; often owner-managed; not fashionable	Technocratic and sometimes exter- nal control; not fashionable	Professional opera- tor control; fashionable	and services) Middle-line control; fashionable (esp. in industry)	Expert control; very fashionable

type designates key design parameters.