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Working Paper 93-18

University of California, Berkeley  
Department of Political Science  
Todd R. La Porte

A State of "The Field": Increasing Relative Ignorance

**Bureaucracy: The State of Theory -- A Panel Discussion and Revision of a Discussion Paper for Public Management**

It is necessary from time to time to ask about the theoretical  
standings of these views -- not only for scholarly reasons though  
these are too seldom stressed. It seems also apparent that at least  
some of these views are taken seriously by reformers, eager  
politicians and congressional staff. Scholars studying public  
organizations and teachers who inhabit them have an  
objection to attend to the kinds of "state of the field" issues  
raised by the Symposium. This obligation rests on the tacit claims  
we make to be the stewards of theory building, teachers of potential  
practitioners, and advocates of the critique and reform of on-  
going public organizations and the design of new ones. Given the  
state of public organizations in the U.S. and in many other

Enthusiasm for Public Management in Administration, the public's businesness has burgeoned over the past decade.<sup>2</sup> This emphasis has borne a burden of hope (and hype) as public agencies (tagged inaccurately with the political epithet of "bureaucracies") continue to come under assault from aggressive politicians and unremittedly fiscal crises. "Public management" sub-species proliferate, techniques and catch words gain standing, suffice the embarked assessment of application, and subside leaving a residue of puzzlement and analytical skepticism.

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University of California, Berkeley

A State of "The Field": Increasing Relative Ignorance

Research Conferences, in 1991 and Oct. 1993.

, For example the several National Public Management

Radiactive Waste Management. Report of the Task Force on

Moving Radioactive Waste. Report of the Task Force on

Board (1993). Earling Public Trust and Confidence: Requirements for

See Department of Energy, Secretary of Energy Advisory

an overview of this research program.

, See La Porte and Consolini (1991); and Roberts (1989) for

outcome will not be a "pop off". I hope the

3 It also gives one permission to "sound off".

"Theory" is used variously to typify or connote:

The unsightly news is that, in its current state, "theory", while perhaps involving absolutely, exhibits a growing relative ignorance. The balance of my comments addresses this situation and outlines its implications. First, a note on context. "Theory" as used in the public management literature has at least three implications. -- often mixed or mixed-up in the ways theoretical work is conducted. What follows is familiar but bears brief repeating.

Structures to understand phenomena in and of public organizations to our theoretical development; these provoke and add yeastiness to our forthcoming paper nicely summarize. As Kettl's Symposium talk and numbers and effectiveness increase. As their ratings signal activity and possibilities. May their and administrative action with those in political science. These positive and somewhat unsightly: the good news is that recent positive and somewhat unsightly: this brings together researchers from public management symposia like that is brining together researchers from public management and administration somewhat unsightly: I find the news both mildly

In considering the "state of theory", I find the news both mildly confusing and somewhat unsightly: the good news is that recent positive and somewhat unsightly: this brings together researchers from public management and administration somewhat unsightly: I find the news both mildly

are devoted to preventing significant fatalities; b) my current hazards that substantial portions of the organization, energies that operate systems of great technical power so intrinsically that regulatory responsibility considerably matters of institutions are devoted to preventing significant fatalities; b) my current

trustworthiness or public trust and confidence in institutions of trustworthiness or public trust and confidence in institutions that operate systems of great technical power so intrinsically that regulatory responsibility considerably matters of institutions are devoted to preventing significant fatalities; b) my current

advocacy responsibility considerably matters of institutions are devoted to preventing significant fatalities; b) my current

trustworthiness or public trust and confidence in institutions that operate systems of great technical power so intrinsically that regulatory responsibility considerably matters of institutions are devoted to preventing significant fatalities; b) my current

graduate seminar to set out the dominant conditions that now manage the nation's radioactive wastes; and c) an attempt of trustworthiness or public trust and confidence in institutions of trustworthiness or public trust and confidence in institutions that operate systems of great technical power so intrinsically that regulatory responsibility considerably matters of institutions are devoted to preventing significant fatalities; b) my current

and administrative action with those in political science. These

countries, it is a particularly important duty. The Symposium

9 Much of the writing on public management is tacitly from the view of an outsider, e.g., an aggrieved client, a distract ed official, or a frustrated political appointee. It is a theory of bureaucracy that much of what goes on in the spirit of overburdened, naive parents bent on "controlling" a large, complex organization is aimed at protecting the interests of a small élite.

<sup>6</sup> Recall Barnard's "efficiency" (Barnard 1938), ch. 6.

Perhaps due to the heterogeneous nature of this literature, the most intense, sharpest anti-bureaucracy critique levelled at the alleged suppression of the organization's national member (not so much the client) was largely missing from the Symposium's agenda. See e.g., Bellone, ed. (1980), esp. Parts II and III; Harmont (1981); and Kass and Carton, eds. (1990), esp. White and McSwain, and Hummel. Cf. Denhardt (1993), esp. ch. 5, 7.

It has been argued that we lack a substantive, and cumulative base of knowledge; that we run off in a remarkable variety of analytical directions (e.g., T. Moe 1991). This is certainly the case when corrections of errors; what we draw from sociology, social theoretical fragments. What we join is fractured, and when psychology and economics is concerned

I limit my comments to "theories of the third kind." If used deductively it informs: what we expect from organizations, given their situation and missions; how we construct the meaning of organization situations and missions; how we take into account the whole system of values and norms of society.

b. The basis for designating new or attempted refuting instances. Proposals are presented as if we have good ideas about what is wrong, and sensible ideas about what is possible. The tone usually suggests that we not only are able to spot aberrations and dysfunctions to complain about, but that we also know what changes are quite likely to result in wished for outcomes without great effort setting surprise.

c. The basis for descriptive understanding, analytical insight and prediction.

a. A guide to normative frameworks for managers and policy evaluators, for academics and pundits, and for political critics of public organizations in democracies. This is a sizable literature. Much of Kettl's Symposium paper falls neatly in this category and this perspective was in evidence at the Symposium.

conceptualizing these differences.  
 " See Bozeman (1987) for an intriguing way of  
 these views. See Rainey (1991); Gortner (1987); Hull and Malcott  
 (1990); and perhaps Bozeman (1987) ch. 1-3. Cf. Scott (1992).  
 10 There are only a few efforts to bring some integration to

to the dynamics of other agencies.  
 difficult to generalize from one or a small set of agency behaviors  
 their missions "speciate". As a result, it is increasingly  
 the types and variations of public organizations are growing and  
 increasing rapidly across national borders (cf. Kettl 1993). In effect,  
 skeins of interagency/contractor relationships that extend  
 the familial relationships and tensions of federalism and involve  
 networks (see items A and B, Table I). These networks are more than  
 growing heterogeneity of public organizations and their embedding  
 puzzles. Two important sources of analytical ignorance are explanatory  
 combination, they pose extraordinary descriptive and explanatory  
 presents demanding operation and theoretical challenges. In  
 public organizations face a striking array of conditions. Each  
 to the dynamics of other agencies.

How is it that as we work at greater intensity and higher rates  
 that our ignorance grows? What are the conditions that produce this  
 (see lists of topics at symposia like this), it could be argued  
 effect?

We face a situation in which, even as there are greater and more  
 provocative efforts in theory building about public organizations  
 and management, the phenomena of interest are differentiating and  
 changing even more rapidly than our advances. Our grasp of the  
 dynamics and behavior of public organizations is slipping further  
 and further away: we know less of what we need to know, even as we  
 know more than we did -- and even as prescriptions for change and  
 improvement proliferate.

It's academic purposes, but because designers and critics need to  
 manage, bureaucracy and organization is important not only for  
 quality of theory about public  
 productive capacities. The quality of their internal coherence and  
 organizations inadvertently lose their international credibility and  
 take it seriously.  
 avoid operational decline and public damage -- before such  
 significant differences and underestimating them is impulsive to  
 propose new budgetary harmonies, but directly for the safety  
 and lives of citizens and consumers. Public organizations make a  
 range of political social consequences, not just for polity  
 failures can set in train grievous systems whose  
 range of public organizations operate or regulate  
 should it be a matter of concern for us? I think so. A growing  
 This is a familiar state of affairs in numerous academic areas.  
 messy pattern with limited cumulative effect. In  
 for problems of operations or political ideology plays out in a

Properties imposed and inflicted upon U.S. agencies.

had softened, though little has changed in the significant 12 for partial list of sources). By 1993, the political rhetoric admiringly, with students in my graduate seminar (see note 12 developed Spring 1992, near the end of the Reagan/Bush

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- Decreasing:
- I. National and agency policy volatility.
  - J. Propriety of regulatory to line responsibilities/
  - K. Dependence on third parties (contractors).
  - L. Centralization of budgetary/audit control with more decentralization of operations to heterogeneous experts.
  - M. Technical competence of agency contract overseers.
  - N. Incentives for professional achievement or career.
  - O. Effectiveness/autonomy of senior management.
- Decreasing:
- System from admin.
  - System from econ.
  - System from doctrine
  - System from more centralization of budgetary/audit control with more decentralization of operations to heterogeneous experts.
  - Centralization of budgetary/audit control with more decentralization of operations to heterogeneous experts.
  - Increase:
  - H. Constraints/micro-management from courts and by legislatures.
  - G. Adversarial executive vs elected official relations.
  - F. Public confidence in capacity of public organizations.
  - E. Resources relative to operational/technical need.
  - D. Demand for services w/less tolerance for error.
  - C. Technical character of task processes.
  - B. Density of networks of relations among public organizations.
  - A. Heterogeneity of goals and means.

Increasing:

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- B. Density of networks of relations among public organizations.
- A. Heterogeneity of goals and means.

Continued:

#### Inflicted by Principals upon Agents

- F. Public confidence in capacity of public organizations.
- E. Resources relative to operational/technical need.
- D. Demand for services w/less tolerance for error.
- C. Technical character of task processes.
- B. Density of networks of relations among public organizations.
- A. Heterogeneity of goals and means.

Decreasing:

- D. Demand for services w/less tolerance for error.
- C. Technical character of task processes.
- B. Density of networks of relations among public organizations.
- A. Heterogeneity of goals and means.

Increasing:

#### Imposed by Socio-Economic Environment

#### Summary of Properties of/Facing U.S. Public Organizations

Table I.

With apologies to "principal-agent" devotees.

12 These "conditions" were derived in part from reviewing Advisory Commission on Intergovernmental Relations (ACIR) (1989); Bozemian and Slusher (1979); Goodsell (1983); Kettl (1991); Levine (1986); R. Moe (1987); T. Moe (1989); Harrrove and Gladewell (1990); Rainey (1991); Rouke (1991); Ventris (1991); Waldo (1987); and Wildavsky (1988). See also Kettl (1993).

Set \*\*. (++ = increasing; -- = decreasing)

- Resources relative to operational/technical need (E),
- Density of networks of relations among public organizations (B),
- Dependence on third parties (contractors) (K), and
- ++ Demand for services w/less tolerance for error (D).

In terms of our discussion, they present a remarkably tough analytical challenge as well. For example, take any four conditions, holding the rest constant (though they would not be in "real life"). On what analytical basis could we predict confidently an organization's response? I set out three quartets below and invite your speculation. In considering these simplified (and artificial) situations, what degree of prediction can be achieved -- on the basis of current theory -- in predicting the capacity of a public organization to operate coherently so that it: a) avoids serious operating failure; b) maintains this capacity for a work geneeration! and c) manages to keep the public's trust and confidence in the process? How closely can specifications be derived from administration, or organization theory?

### <<Table 1 about here.>>

In addition, public organizations face a daunting array of "environs—mental," "socio-economic environments," (See Table I.). Some are "imposed" by the be changed rapidly through the efforts of ruling parties or executive active. Others are "inherited by previous upon which little possibility that they could be changed rapidly through the efforts of ruling parties or executive agencies"; i.e., "inherited" on public organizations by political agents". Each regimes and stem from economic and/or administrative ideology. Each condititon individually is more or less familiar; in combination they profound and confuse. It is a sobering ensemble within which they attempt flexible and effective operations. These conditions are especially daunting when the functions of public organizations are crucial for the political health of our communities.

See Scott (1992) for a cogent overview.

Four examples highlight the point. A dominant feature of High Reliability Organizations, i.e., organizations that seek and attain very high levels of operating reliability, is the sense that the costs of some types of incremental, trial and error learning exceed the value of the lessons learned. In the extreme and continuous possibility, the next error may be your last trial. In such organizations, we found theoretically unexpected behavioral

When the conditions listed above intensify, turning to these theories for inference and deduction give small comfort. None of them furnish firm grounds for predictions about expected public organizations. And they provide only limited insight into the complex situations in which most public organizations (managers and evaluators) find themselves. In short, we confront a theoretical shortfall, and uncertainty about the utility of our concepts of choice" (and I do not mean "public choice").

- \* Resouce dependence and contingency theory;
  - \* (New) Institutionalism;
  - \* Economic theories of organization and choice;
  - \* Network theories of social/organizational relations;
  - \* Management and "bureaucratic" theories;

To gain some purchase on these analytical (and design) problems, we could and mostly do retreat to conventional administrative and political wisdom. While this might be tempting, it should not be an early option for seekers after rigorous analysis. As an alternative, we could turn to an incremental family set of middle range theories to nourish deductive specifications. They are:

-- Effectiveness/Autonomy of senior management (o).

-- Public confidence in capacity of public organizations. (F)

**++ National and agency policy volatility (I),**

**++ Heterogeneity of goals and means (A),**

`Set <>. (++ = increasing; -- = decreasing)`

**++ Technical character of task processes (C).**

-- Technical competition of ageency contractors oversees (M), and

-- Incentives for professional achievement (N),

de-centralization of operations to heterogeneous experts (L),

Set  $\dots$ .  $(++ = \text{increasing}; -- = \text{decreasing})$

1993).

radioactive waste management has been floated for at least fifteen years (DOE among stakeholders has been great and proposals for radical reorganization is also comes out of our experience in the 16

general, e.g., Citrin (1993); cf. Hill (1992). Evidence of widespread and intense distrust of government in 15 There is, of course, a substantial literature providing

securing the values that are subsequently enhanced (Thomas 1993b). Of the types of effects particular structural changes have in good deal of organization folk wisdom, but no systematic knowledge good deal to enhance is simply evidently. There is, of course, a secreted to enhance over others in public reorganization. The relationship of particular organization forms and the outcome values they are enthusiasm or vindictive hopes in promoting one type of structural reform over others in public reorganization. The relationship of technological development, or enhanced safety, would probably result. But there is little systematic evidence to support good hearted equity, efficiency, improved quality of personnel, speed of e.g., if they had good reason to suppose that other desired outcomes, for reasons other than enhancing the power of their proponents, as than what we have got". 16 What we can think up has to be better polity frustration mount -- "when operational problems and/or organization come fast (and loose) when operational problems and/or In another important, perhaps more prosaic, vein, proposals for re-

and La Porte forthcoming). Long lag in the time needed to discover failure or determine success where agency operates systems where there is intrinsicality a consilienting situations, again extreme but increasing apparently a change (Thomas 1993a). 15 This was particularly true when of an agency's processes vary, or its political environment perspectives, we found a startling lack of systematic theoretical by most of the relevant stakeholders. From an analytical perspective public and private organizations have for some time been distrustful management polity and operations, an area in which the salient dramatically recovering, public trust and confidence in advanced democrazies. The initiating context was U.S. radioactive waste organizations that are associated with sustaining, or more other related work raised the problem of conditions in a public

explications. Theoretically literature in providing plausible hypotheses or could derive only modest assistance from the empirical or (1993), and responses to regulation (La Porte and Thomas 1989). We discuss recovery (La Porte and Consolini 1991; Roberts 1989); Schullman responses in decision-making, in patterns of authority, processes of

What implications does this argument have for schools? First, it certifies only classes for continuing work on integrating  
theories, and rendering what we know in rigorous form with strenuous  
attempts to put them to the test. It also suggests that these  
"tests" should be conducted across a wider range of public  
organizations than is usually the case now. If more  
representative tests were done we could move with greater confidence  
toward more broadly applicable theoretical understanding. While  
most of us hold to this notion, I wonder how rapidly this could  
happen, or rather, what concepts must be met for broadly representative, credible public  
organizations must be met for rapidly representative, credible public  
management and organizational studies?

A similar situation obtains in understaions in that kind and facilitate the work of public relations which are enmeshed within spreading skeints of exchange relationships among a wide variety of private contractors and political groups and, of course, political parties to say, is likely to executeives and legislatures. This trend, so to speak, is likely to continue, perhaps accelerate, in an era of "re-invention" and other earnest efforts to "fix government" (e.g., Osborne and Gableler 1992). Some emphasis is on complex interorganizational relationships, networks, which have stressed the importance of informal organizations, theorists have emphasized the importance of informal relations and the personal networks through which they operate, and studies of implementation and policy networks have employed the language of international networks. But this remains far less developed than the network they seek to describe. And there has been little systematic casting current network thinking in terms of public administrative or management phenomena.

19 Add a note re: the debate on case studies, etc. cite Barzelay (1993).

A third implication of this argument is the need to examine the utility (and error proneness) of formulations of policy, management, and leadership theory (or rhetorical arguments that are presented or taken as if they were theory) as a basis for the design or reform of new or existing institutions. This is particularly important when such theory or rhetoric is drawn upon in political debate, i.e., in those instances where they are taken seriously by executive and legislative policy makers -- either as means actually to address problems or, more seriously, when they are taken up in expectation for actual demonstration of range. One rarely exercised aspect of this would explore more vigorously the full range of effects, especially the negative "surprises of success" or deferred regresses, were designs and changes based on such theories actually to be implemented at full scale.

How effective can an agency be or become, given environmental conditions over which it has little control? We now lack theoretical fully founded bases for estimating the degree to which an agency/program could actually achieve political stability demanded levels of effectiveness in the face of intensely imposed and inflated condititons. We are challenged to provide analysis for reasonable expectations about the evolution and dynamics of public organizations else we should expect a growing number of managers facing an increasing proportion of "impossible jobs" (Hargrove and Glidewell 1990). This would be a more credible basis for estimating the degree to improve that depends on changes of the agency's environment than that based on contracts with those that are controlled by political executives and legislatures.

Second, the substantial list of "stressor" condititons presented by "imposed" and "infllicted" conditions seems on the face to confront public organizations and their evaluators with a much more rigorous, daunting and endangering environment than has been the case for agencies and programs in the last half of this century. But these condititons do not confront public organizations with equality. Some have to deal with only a few, others with almost the whole set. The more numerous and intensive these condititons are, the less likely the agency and its services to citizens are to adapt effectively. This suggests, at once, work that actually are thrust upon agencies; and and infllicted condititons actually are thrust upon particular clusters of capabilities when an agency or program faces particular clusters of studies that examine the limits of potential organizational effectiveness; and these imposed and infllicted condititons actually are thrust upon which imposes less likelihood the agency is to perform or adapt effectively.

would become catalysts or organizing principles for systematic theorizing about various "columns" of the phenomena?

I end with a first order hunch and a discounting word: the first about the most fruitful next stages in our theoretical developmental second about resources. A next important theoretical stage would be the development of network theory in combinatorial stage the second about resources. A next important theoretical stage would be the dependence of network theory in combinatorial stage the organization of economic sectors and its study of organizations in the public sector quite broadly understood. One underlying the expectation is that the more extensive and dense the networks, the larger the error term in theories derived from economic paradigms. This expectation stems from the mismatch of economic paradigms assumptions of relatively high levels of unorganized complexity with low levels of system integration, while little increasing density degrees of differentiation and interdependence of components.)<sup>20</sup> Notably these communities, by implying certain exhorting the public organization studies communitiess to do more complex and generalizable work, skipped over the matter of resources needed to conduct such relatively costly studies. Overcoming relative ignorance will not "come cheap". At this time, I do not see the resources available to provide much opportunity (or even enough to seriously warrant efforts to compete for them).<sup>21</sup> Nor do I see much focused emphasis within our communities to reach beyond constrained and derivative theoretical or empirical study.

<sup>20</sup> For the classic discussion of these forms of complexity see Weaver (1948). Cf. La Porte (1975), esp. chs. 1 and 10, and Metlaly (1975).

- D.C. *Advisee Lay* (1993). "The Single Case Study as Interdisciplinary Ambitions." In *Inquiry*, 305-318.
- C.J. Bellone, ed. (1980). *Organization Theory and the New Public Administration*. Boston: Allyn and Bacon. (esp. Parts II and III)
- M. Barzelay (1993). "The Single Case Study as Interdisciplinary Ambitions." In *Inquiry*, 305-318.
- C. Barnard (1938). *The Functions of the Executive*. Cambridge, Mass: Harvard University Press.
- D.C. Reading on Federalism: Perspectives on a Decade of Change. Washington,
- Advisee Commission on Intergovernmental Relations (ACIR) (1989).
- M. Barzelay (1993). "The Single Case Study as Interdisciplinary Ambitions." In *Inquiry*, 305-318.
- B. Bozeman and E.A. Slusher (1979). "Scarcity and Environmental Stress in Public Organizations: A Confucian Essay," Administration and Society, Nov. 335-355.
- R. B. Denhardt (1993). *Theories of Public Organization*, 2d ed. Belmont, CA: Wadsworth.
- Department of Energy, Secretariat of Energy Advisory Board (1993). *Earning Report of the Task Force on Radioactive Waste Management*. Washington D.C.
- C. T. Goodsell (1983). *The Case for Bureaucracy: A Public Administration Perspective*. Chicago: Dorsey Press.
- H.F. Gortner, et al. (1987). *Organization Theory: A Public Perspective*. E.C. Hargrove and J.C. Glidewell, eds. (199). *Impossible Jobs in Public Management*. Lawrence, KN: University Press of Kansas.
- M.M. Harrmon (1981). *Action Theory for Public Administration*. New York: Longman.
- S. Hill (1992). *Democratic Values and Technological Choices*. Stanford, California: Stanford University Press.
- K. M. Hull and C. Walcott (1990). *Governing Public Organizations*: Politics, Structures, and Institutional Design. Pacific Grove, CA: Brook/Cole.
- H. D. Kass and B. L. Carton, eds. (1990). *Images and Identities in Public Administration*. Newbury Park, CA: Sage.

## Bibliography

- R. P. Hummel (1990). "Circle Managers and Pyramid Managers: Icons for the Post Modern Public Administration", in H. D. Kass and B. L. Catron, eds. *Images and Identities in Public Administration*. Newbury Park, CA: Sage. ch. 8. 202-218.
- D. Kettl (1993). Sharing Power: Public Governance and Private Markets. Washington, D.C.: Brookings Institution. August.
- D. Kettl (1992). "Public Administration: The State of the Field", Working Paper 15, Lafollette Institute, University of Wisconsin, Madison, Wisconsin. August.
- D. Kettl (1991). "Whose Mandating the Store? The Decline of Competition in American Administration", Paper delivered at American Political Science Association, Washington, D.C. Sept.
- T. R. La Porte (1994) "Large Technical Systems, International Surprises and Challenges to Political Legitimacy", F. Schäppi, ed. *Systems and Nationality and Partial Interest*. Frankfurt am Main, Gr.: Campus Verlag.
- T. R. La Porte and P. Consolini (1991). "Working In Practice but Not in Theory: Theoretical Challenges of High Reliability Organizations", T. R. La Porte and P. Consolini (1991). "Working In Practice but Not in Journal of Public Administration Research and Theory", 1, 23-49.
- T. R. La Porte and C. Thomas (1993). "Regulatory Compliance and the Ethos of Quality Enhancement: Surprises in Nuclear Power Plant Operations", Working Paper, Institute of Governmental Studies, University of California Berkeley, California.
- C. H. Levine (1986). "The Federal Government in the Year 2000: Admistrative Legacies of the Reagan Years", Public Administration Review, 46, May/June, 195-206.
- D. Metlay (1975). "On Studying the Future Behavior of Complex Systems" in ed. T. R. La Porte. *Organized Social Complexity: Challenges to Politics and Policy*. Princeton, NJ: Princeton University Press, 220-255.
- R. C. Moe (1987). "Exploring the Limits of Privatization", *Public Administration Review*, 47 Nov./Dec., 453-460.
- T. M. Moe (1991). "Politics and the Theory of Organization", *Journal of Law, Economics, and Organization*, 1991, 106-29.
- T. M. Moe (1989). "The Politics of Bureaucratic Structure", in eds. J.E. Chubb and P.E. Peterson. *Can The Government Govern?* Washington, D.C.: Brookings Institution, 267-329.

- D. Osborne and T. Gabeleir (1992). Reinventing Government: How the Entreprenurial Spirit Is Transforming the Public Sector. Readings on Administration-Weisley.
- H. Rainey (1991). Understanding and Managing Public Organizations, San Francisco: Jossey-Bass, esp. chs. 2, 3 and 5.
- K. H. Roberts (1989). "New Challenges to Organizational Research: High Reliability Theory Organizations". Industrial Crisis Quarterly, 3, 111-125.
- F. E. Rourke (1991). "American Bureaucracy in a Changing Political Setting," Journal of Public Administration Research and Theory, 1, April, 111-129.
- P. R. Schullman (1993). "Reliability Through Fluctuation: Negotiated Order in a Nuclear Power Plant," Administration and Society, 23, 111-125.
- W. R. Scott (1992). Organizations: Rational, Natural, and Open Systems, 3d ed. Englewood Cliffs, NJ: Prentice-Hall.
- C. Thomas (1993a). "Public Trust in Organizations and Institutions: A Sociological Perspective," Vol. 2. Earining Public Trust and Confidence: Objectives and Evidence," Vol. 2. Earning Public Trust and Confidence: Regulators for Managing Radioactive Waste, Task Force on Radioactive Waste Management, Secretary of Energy Advisory Board, Washington, D.C.
- C. Thomas (1993b). "Reorganizing Public Organizations: Alternatives, Theories and Options," Journal of Public Administration Research and Theory, 27-5.
- C. Ventris (1991). "The Challenge of Public Service: Dilemmas, Prospects and Options," Journal of Public Administration Research and Theory, 27-5.
- D. Waldo (1990). "A Theory of Public Administration Means In Our Time Theory of Politics Also," in eds., N. Lynn and A. Wildavsky, Public Administration: The State of the Discipline. Chatfield, N.J.: Chatfield House. 73-84.
- Theory of Politics Also," in eds., N. Lynn and A. Wildavsky, Public Administration: The State of the Discipline. Chatfield, N.J.: Chatfield House. 73-84.
- W. Weaver (1948). "Science and Complexity", American Scientist, 36, 536-544.
- O.F. White, Jr. and C.J. McSwain (1990). "The Phoenix Project: Raising a New Image of Public Administration from the Ashes of the Past", in eds. H. D. Kass and B. L. Carton, Images and Identities in Public Administration. Newbury Park, CA: Sage. ch. 1, 23-59.
- A. Wildavsky (1988). "Ubiquitous Anomie: Public Service in an Era of Ideological Dissensus," Public Administration Review, 48 July/Aug., 753-755.

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