

Classification: \_\_\_\_\_

(This form is to be used for material extracted from CIA-controlled documents.)

When he first came into prominence as a Cuban exile leader, Manuel Ray Rivero was described as "softspoken and unassuming", a person of "highest intellect, sincerity and conviction" -- in other words, a natural leader.<sup>1</sup> In 1947, the 23-year old Ray was granted a scholarship by the Cuban Ministry of Public Works to study civil engineering at the University of Utah.<sup>2</sup> Ray was in the United States for two years before returning to his native Cuba in 1949 and obtaining various positions in the engineering field, one of which was project manager for the construction of the Havana Hilton Hotel.<sup>3</sup>

Reacting to the excesses of the military rule of Fulgencio Batista, Ray organized the Civic Resistance Movement in 1957 and began supervising sabotage and acts of terrorism against the government.<sup>4</sup> His political posture and active resistance to Batista was recognized by Fidel Castro who, upon assuming control of the government of Cuba, appointed Ray his Minister of Public Works in February 1959.<sup>5</sup> Within a few months of his appointment, Ray confided to two anti-Castro Cubans that he had recognized the symptoms of Communism in the Castro regime but was not prepared to conspire against "El Lider Maximo."<sup>6</sup>

Ray's tenure in Castro's government was short-lived. He was relieved of his official position in November 1959.<sup>7</sup> No

Classification: \_\_\_\_\_

Classified by derivation: \_\_\_\_\_

Central Intelligence Agency  
 has no Objection to Release  
 Date: AS SANITIZED



2003

Classification: \_\_\_\_\_

(This form is to be used for material extracted from CIA's records) as been documented but, according to one source, Ray did not leave Castro because of ideological or policy discrepancies but rather because of a personality clash with Castro's Minister of Labor who almost shot Ray after a stormy Cabinet meeting.<sup>8</sup> Another theory about his leaving was that he opposed Castro's plan to declare Hubert Matos a traitor and execute the Cuban revolutionary hero with whom Ray had been associated.<sup>9</sup>

For whatever reason, Ray did continue to permit his name to be associated with the Castro regime<sup>10</sup> until May 1960 when he formed the Revolutionary Movement of the People (MRP)<sup>11</sup>.

The MRP was<sup>an</sup> anti-Castro organization which believed that the ideas and aims of the democratic left best suited the needs and aspirations of the Cuban people.<sup>12</sup> It did not wish to reinstate the 1940 Cuban Constitution, rather it favored continuation of the laws passed by Castro at the beginning of his regime<sup>13</sup> and advocated the regulation of private investment and nationalization of all utilities.<sup>14</sup> Associated with Ray in this underground organization were Raul Chibas, Ramon Barquin, Rogelio Cisneros,<sup>15</sup> Rufo Lopez Fresquet and Felipe Pazos.<sup>16</sup>

Organized in each of Cuba's six provinces, the MRP was considered the most important underground group.<sup>17</sup> Working in tightly organized cells, the leadership in one province was unaware of the identities of their counterparts in other

Classification: \_\_\_\_\_

Classified by derivation: \_\_\_\_\_

Classification: \_\_\_\_\_

in other provinces <sup>18</sup> (This form is The MDC defogged in acts of sabotage from CIA—controlled documents.) and was supplied with explosives sent by launches from the Florida Keys. <sup>19</sup>

Having waited until May, 1960 to organize his resistance group, Ray was criticized as being suspiciously tardy to the anti-Castro movement. <sup>20</sup> Charges of "Fidelism without Fidel"

were made against him and the MRP because of their leftist ideologies. <sup>21</sup> Perhaps for these reasons, Ray's background was questioned by some in the State Department <sup>22</sup> and the Miami

CIA station <sup>23</sup> when, in the summer of 1960, he was [being re-  
*in the process of becoming* recruited by the CIA in Cuba to become] a member of the Frente

11. Revolucionario Democrático (FRD), a newly formed anti-Castro organization, sponsored by the <sup>24</sup> [CIA] *U.S. Gov* ~~The Agency~~ *The U.S. Government* considered him

13. an important political asset, <sup>25</sup> and facilitated his ~~andestine~~ entrance into the United States <sup>26</sup> on November 10, 1960. <sup>27</sup>

15. Nevertheless, there was <sup>28</sup> ~~internal conflict~~ *disreement* within the CIA about Ray's political compatibility <sup>29</sup> *with* United States

16. government policy. In a [CIA] Memo for Record, dated November 21, 17. 1960, one [Agency] officer declared, "... Ray did not politically

18. represent anything to cheer about." <sup>28</sup> A CIA officer who met 20. privately with Ray in November, 1960 noted that his political posture was "doubtful" as far as U. S. government acceptance was concerned, <sup>29</sup> and a further assessment portrayed Ray as so

19. far "left in his thinking that he would be as dangerous to U. S. interests as Castro." <sup>30</sup>

Classification: \_\_\_\_\_

Classified by derivation: \_\_\_\_\_



Classification: \_\_\_\_\_

(This form is to be used for material extracted  
Some prominent ~~CIA controlled~~ ~~illegals~~ also expressed negative  
opinions about Ray, among them Dr. Jose Miro Cardona, president  
of the FRD. Miro opposed Ray because he considered his  
program too Marxist<sup>31</sup> and declared that Ray was bitterly  
anti-American as well as probably totalitarian in his think-  
ing.<sup>32</sup> Manuel Artime, head of the Movimiento Recuperacion  
Revolucionaria (MRR), noted that Ray's group was opposed to  
banning the Communist Party and in favor of "nationalizing  
everything."<sup>33</sup> Although aware of his controversial political  
philosophy, ~~the CIA continued to actively recruit Ray to join~~  
~~the FRD<sup>34</sup> because~~ the White House and State Department pushed  
for his inclusion.<sup>35</sup>

Ray received full operational approval as a "political  
asset" on February 7, 1961<sup>36</sup> but resisted joining the newly  
formed Cuban Revolutionary Council (CRC) just as he had  
resisted inclusion into the FRD. He said he felt the members  
of the CRC were too restrained and he did not want to become  
a part of a situation in which someone else was running the  
show for the exiles.<sup>37</sup> However, three weeks before the Bay of  
Pigs invasion, Ray was persuaded to join the CRC as a show of  
unity.<sup>38</sup>

In recalling the events of this period, Ray told HSCA  
investigators that he was aware of the fact that certain in-  
fluential and wealthy Americans, among them former Ambassador  
William Pawley, were opposed to him and that a lot of heavy  
propaganda was being circulated ~~accusing him of being a~~  
Communist.<sup>39</sup>

Classification: \_\_\_\_\_

Classified by derivation: \_\_\_\_\_

Ray withdrew from the CRC shortly after the Bay of Pigs invasion. In a Miami news conference on May 28, 1961, he said the major reason for the MRP break with the CRC was that the Council had failed to live up to the written promises given it in March, outlining conditions Ray had insisted upon before joining the organization.<sup>40</sup> The first condition had been that the Council was to give first priority to the underground fighters in Cuba during the Bay of Pigs invasion. Secondly, Ray had insisted that anyone too closely associated with the Batista regime would not be used in the invasion. Also, he said, he was to have been allowed prior approval of any appointment of invasion military leaders.<sup>41</sup> Ray told the assembled newsmen that his program to overthrow Castro was based on maximum mobilization of the discontented people inside Cuba, and that he thought the leadership of this underground should come from Cubans who could prove they had access to such a potential force.<sup>42</sup>

Ray sought CIA support for the MRP independent of the Council,<sup>43</sup> claiming that the group had an effective underground organization but needed material and financial support.<sup>44</sup> Ray felt the MRP had to be allowed to plan its own operations and broaden its base of financial support to include sympathetic Latin American governments.<sup>45</sup> He was totally opposed to another large invasion attempt.<sup>46</sup>



(This form is to be used for material extracted from CIA-controlled documents)

The Miami CIA Station recommended Ray be given an initial \$50,000 for operational expenses.<sup>47</sup> Reaction at CIA headquarters was immediate: Within 24 hours a Memo ~~for the Record~~ was circulated, objecting to the ~~Miami Station's~~ recommendation and claiming that Ray did not ever produce any substantial military actions against Castro.<sup>48</sup> Ray was told to submit a "prospectus" of his plans for the MRP and advised that no financial help would be forthcoming until such a plan was reviewed.<sup>49</sup>

Ray went to Puerto Rico about July, 1961, where he received sympathetic support for the MRP from the Governor of that island, Luis Munoz Marin, who personally liked Ray.<sup>50</sup> While Ray was in Puerto Rico, a member of the MRP underground in Cuba reported to the MRP Executive Council that he had been ~~in contact with the CIA and was told by the Agency that no material resources would be available for the group until Manuel Ray was dismissed as general coordinator.~~<sup>51</sup> Charging the ~~CIA~~ <sup>USG</sup> with repeated interference in the affairs of the MRP, Ray resigned so that there wouldn't be any obstacle to the group's cohesion.<sup>52</sup>

In October, 1961, the Puerto Rican Planning Board announced that Ray had accepted a \$12,000-a-year position as consultant to that Board.<sup>53</sup> Although there was no evidence that the Puerto Rican government was supporting the MRP, Ray was looked upon with great favor by Puerto Rican officials<sup>54</sup> and he endeavored to rebuild the MRP with Cuban exiles residing there.<sup>55</sup>

~~Classification:~~

Classified by derivation: \_\_\_\_\_

Classification: \_\_\_\_\_

Ray's plan was delayed until May, at which time he quit his job in Puerto Rico and dropped out of sight.<sup>77</sup> His infiltration plans were known throughout the Miami Cuban exile community.<sup>78</sup> Soon the story spread to Cuba where Castro ordered a full-scale military alert and rounded up scores of suspected Ray supporters.<sup>79</sup>

After several days of bad weather and dodging Cuban patrol boats, Ray and his crew of seven,<sup>80</sup> including a reporter-photographer team from LIFE magazine,<sup>81</sup> landed at the Anguilla Cays, 40 miles off the Cuban coast.<sup>82</sup> There Ray intended to make a final equipment check and a final radio transmission.<sup>83</sup>

Because of their proximity to Cuba, the Anguilla Cays were heavily patrolled by Castro forces and by the British who owned them.<sup>84</sup> The British discovered Ray and his group and their cache of weapons and explosives, arrested them for illegal entry into the Bahamas and took them to Nassau.<sup>85</sup> The minimal fine of \$14 was levied on each member of the group and each was admonished to never trespass again.<sup>86</sup>

Upon his release, Ray said that he was as determined as ever to infiltrate Cuba: "Fidel knows me," he said, "and he knows I'm coming."<sup>87</sup>

Classification: \_\_\_\_\_

Classified by derivation: \_\_\_\_\_

(This form is to be used for material extracted from Ray's confided documents.)  
Compounding the revelation by the FBI and U.S. Treasury that Rogelio Cisneros had illegally purchased \$50,000 worth of arms for JURE from a California arms manufacturer. <sup>88</sup> It also caused ~~the CIA~~ considerable embarrassment. <sup>82 89</sup>

~~The Agency denied knowledge of the purchase to Revenue officials and, because of the autonomous nature of its relationship with JURE, <sup>no attempt was made to stop the</sup> ~~did not make any attempt to stop Revenue's~~ investigation. <sup>82 90</sup> ~~The Agency now, however, told Ray that he would have to move all his operations outside U. S. territory.~~ <sup>was told</sup> <sup>82 91</sup>~~

In order to shore up his waning credibility within the Cuban exile community, Ray again tried to infiltrate Cuba in July, 1964 but, again, his boat developed motor trouble and the plan was aborted. <sup>84 92</sup> The failure this time led three exile groups to withdraw from JURE. <sup>93 85</sup>

All these events, from May through July, resulted in a ~~CIA~~ decision to stop financing Ray until he ceased all activities from the U.S. mainland. <sup>94 86</sup> ~~The Agency authorized~~ <sup>was made</sup> final payment ~~of \$75,000~~ to the group to facilitate the move, thereby "closing the books" on JURE. <sup>88-96</sup> <sup>87 95</sup>

Ray kept his organization together until August, 1968 <sup>89 97</sup> although it was relatively ineffective. He personally maintained an interest in anti-Castro activities. In 1969, he

Classification: \_\_\_\_\_

Classified by derivation: \_\_\_\_\_





Classification: \_\_\_\_\_

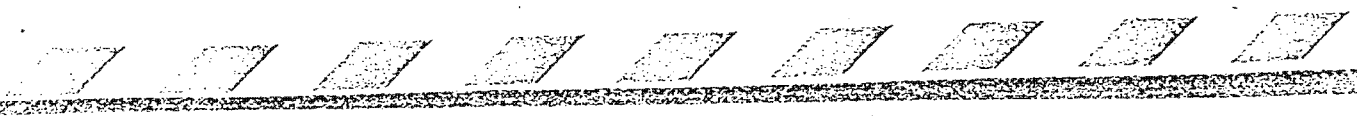
(This form is to be used for material extracted from CIA—controlled documents.)

called together a congress of Cuban exiles to create a new organization.<sup>98</sup> As late as 1972, he was actively engaged in the formulation of the People's Revolutionary Party, hoping to reinvigorate the anti-Castro movement,<sup>99</sup> but it, too, failed to make an impact.<sup>92100</sup>

Ray still resides in Puerto Rico and heads his own engineering consulting firm in San Juan.<sup>93101</sup>

Classification: \_\_\_\_\_

Classified by derivation: \_\_\_\_\_



Classification: \_\_\_\_\_  
FOOTNOTES

Type only  
those marked  
with ref

(This form is to be used for material extracted  
from CIA—controlled documents.)

1. ~~CIA/Deputy Director Operations (DDO), Manuel Ray Rivero (Ray)~~  
~~Volume II, Cable to Director from MASH, 11/17/60~~
2. ~~HSCA #006462, p. 9, Item 8, FBI Manolo Ray References,~~  
~~Section 2, (JFK Document 006462)~~
3. Ibid.
4. ~~HSCA #009005, Memo to G. Robert Blakey, 6/28/78,~~  
~~Interview of Manolo Ray Rivero from Fonzi/Gonzales~~  
~~(JFK Document 009005)~~
5. Ibid.
6. Give Us This Day by E. Howard Hunt, Popular Library  
Edition, p. 91
7. ~~HSCA #005990, p. 2, FBI Correlation Study, Manolo Ray,~~  
~~File #97-4546, Section 1., p2, (JFK Document 005990)~~
8. ~~CIA/DDO Ray Volume VII, Memo from [Jack Malone] former~~  
~~manager, [Kings Ranch], Cuba, dated 7/16/62~~
9. ~~CIA/DDO, Ray Volume IV, Information Report, 3/16/61,~~  
~~Subject: Background, Character and Economic Concepts of~~  
~~Manuel Ray Rivero~~
10. Give Us This Day by E. Howard Hunt, Popular Library  
Edition, p. 92
11. ~~HSCA #009005, Memo to G. Robert Blakey, 6/28/78, Interview~~  
~~of Manolo Ray Rivero from Fonzi/Gonzales, (JFK Document~~  
~~009005)~~
12. ~~CIA/DDO, Ray Volume VI, 6/9/62 study of program for~~  
~~liberation of Cuba submitted by Ray~~
13. ~~CIA/DDO, Ray Volume II, Cable to Director from MASH, 11/17/60~~
14. Ibid.
15. ~~CIA/DDO, Ray Volume II, Organization of MRP~~
16. Give Us This Day by E. Howard Hunt, Popular Library  
Edition, p. 92
17. New York Times, April 10, 1961, Castro Foes Map Multiple  
Forays, by Tad Szulc
18. Ibid.
19. Ibid.
20. Give Us This Day by E. Howard Hunt, Popular Library Edition, p.
21. ~~CIA/DDO, Ray Volume II, (Contact) Report (from [redacted])~~  
~~10/17/60, Subject: Meeting with Juan Esteves and Jorge Bardif,~~  
~~10/17/60~~

Classification: \_\_\_\_\_

(This form is to be used for material extracted

22. CIA/DDO, ~~Ray Volume I, (Memento) WH/4 Chief from Acting Chief, WH, 9/27/60, Subject: State Approval to Include Manuel Ray Rivero into the FRD Complex.~~
23. CIA/DDO, ~~Ray Volume I, Cable from MASH to WH/9, 9/29/60~~
24. CIA/DDO, ~~Ray Volume I, Meeting with Raul Chibas, 9/7/60~~
25. Ibid.
26. CIA/DDO, ~~Ray Volume II, Cable to Director from MASH, 11/5/60~~
27. CIA/DDO, ~~Ray Volume II, Cable to Director from JMASH, 11/11/60~~
28. CIA/DDO, ~~Ray Volume II, Memo for Record, 11/21/60 Subject: Meeting with King and Esterline on Subject of Handling MRP~~
29. CIA/DDO, ~~Ray Volume II, Cable to Director from MASH, 11/17/60~~
30. CIA/DDO, ~~Ray Volume V, Memo for Record, 6/2/61, Subject: Relations with Manolo Ray and the MRP from [redacted]~~
31. CIA/DDO, ~~Ray Volume III, Information Report from U.S. Citizen, Free-lance writer and part-time sugar broker, 12/22/60~~
32. CIA/DDO, ~~Ray Volume IV, Memo to S - Dr. Berle from ARA - Philip W. Bensel, 3/16/61, Subject: Recent Cuban Developments~~
33. CIA/DDO, ~~Ray Volume IV, Cable to Bell from JMWAVE, 3/1/61~~
34. CIA/DDO, ~~Ray Volume II, Cable to Director from MASH, 11/17/60~~
35. Give Us This Day by E. Howard Hunt, Popular Library Edition, pp. 172-73
36. CIA/DDO, ~~Ray Volume IV, administrative form~~
37. HSCA #009005, Memo to G. Robert Blakey, 6/28/78, <sup>STAFF</sup> Interview with Manolo Ray Rivero, ~~from Fonzi/Gonzales (JFK Document)~~ <sup>CC:COE</sup>
38. CIA/DDO, ~~Ray Volume IV, Memo for Record, 27 March 1961 by Gerald Drolier, Subject: Ray Accepts Appointment to Council ....~~
39. HSCA #009005, Memo to G. Robert Blakey, 6/28/78, p. 4, Interview with Manolo Ray Rivero, ~~from Fonzi/Gonzales~~

Classification: \_\_\_\_\_

(JFK Document 009005)

Classified by derivation: \_\_\_\_\_

Classification: \_\_\_\_\_

(This form is to be used for material extracted

40. ~~New York Times~~ SA-5/20/61 ~~document~~ Cuban Group Quits Exile Body by Sam Pope Brewer . . .
41. Ibid .
42. Ibid .
43. CIA/DDO, ~~Ray Volume V, Memo for Record, 6/2/61. Subject: Relations with Manolo Ray and the MRP, from~~ [redacted]
44. CIA/DDO, ~~Ray Volume V, Cable to Bell from JMWAVE, 4/29/61, #0923 (See handwritten notes)~~
45. Ibid .
46. Ibid .
47. CIA/DDO, ~~Ray Volume V, Cable to Bell from JMWAVE 5/4/61, #1312 (See handwritten notes)~~
48. CIA/DDO, ~~Ray Volume V, Memo for Record, 5/5/61 from Galvin Hicks, WH/4/PM/Operations~~
49. CIA/DDO, ~~Ray Volume V, Memo for Record, 6/2/61, from~~ [redacted]
50. CIA/DDO, ~~Ray Volume VI, Memo for Record - SECRET, 12/19/61 Subject: Miscellaneous Items Discussed with Dr. Miro on 18 December 1961 (See handwritten notes)~~
51. New York Times, July 17, 1961, Cuba Exile Group Criticizes CIA? by Peter Kihss
52. Ibid .
53. CIA/DDO, ~~Ray Volume VI Memo for Chief/WH Division, 10/10/61 from~~ [redacted] ~~Subject: General - Cuban Matters; Specific - Manuel (Manolo) Ray~~
54. CIA/DDO, ~~Ray Volume VII, Cable, 7/2/62 to Director (from~~ [redacted]
55. CIA/DDO, ~~Ray Volume VI, Memo for Record, SECRET, 19 December 1961, Subject: Miscellaneous Items discussed with Dr. Miro on 18 December 1961 (See handwritten notes)~~
56. CIA/DDO, ~~Ray Volume VI, Revolutionary Movement of the People: National Leadership, 4/20/62~~
57. CIA/DDO, ~~Ray Volume VII, Memo for Chief, Task Force N from~~ [redacted] ~~7/25/62, Subject: Manolo Ray Meeting in New York~~

Classification: \_\_\_\_\_

58. CIA/DDO, ~~(This form is to be used for material extracted from Task Force W from [redacted] 7/25/62, Subject: Manolo Ray Rivero)~~
59. CIA/DDO, ~~JURE Volume I, Cable to Director (from [redacted] 7/25/62 (no. in JURE file))~~
60. CIA/DDO, ~~Ray Volume VII, Memo for Chief, Task Force W from [redacted] 7/12/62, Subject: Manolo Ray Rivero~~
61. CIA/DDO, ~~Ray Volume VII, Cable 7/25/62~~
62. Ibid,
63. CIA/DDO, ~~Ray Volume VII, Memo to Chief, Task Force W from [redacted] 8/24/62, Subject: Operations - Use of Ray Expenditure of Funds [redacted]~~
64. CIA/DDO, ~~Ray Volume IX, Cable to Director [redacted] 6/19/63, #77272~~
65. CIA/DDO, ~~Ray Volume IX, Dispatch to Chief, WE, from [redacted] 7/2/63, Contact Report on Meeting with Manolo Ray [redacted] 13 June 1963, signed [redacted]~~
66. CIA/DDO, ~~Ray Volume XVI, Memo to Director from Chief, WH Division, 7/9/64, Subject: Chronology of Concept of Autonomous Operations and Summary of Financial Support to Manuel Artime~~
67. CIA/DDO, ~~Ray Volume X, Memo for [redacted] 8/23/63 from [redacted] Subject: Ray Contact Report~~
68. HSCA #009005, p. 7, Memo to G. Robert Blakey, 6/28/78, STAFF Interview with Manolo Ray Rivero, by Ponzi/Gonzales, p. 7, (JFK Document 009005)
69. CIA/DDO, ~~Ray Volume X, Cable to Director from JMWAVE, 9/11/63~~
70. CIA/DDO, ~~Ray Volume XI, Draft, 10/4/63 [redacted] Subject: Manuel Ray Rivero~~
71. CIA/DDO, ~~Ray Volume XI, Cable to Chief, Special Affairs Staff from JMWAVE/CS, 10/22/63~~
72. HSCA #009005, Memo to G. Robert Blakey, 6/28/78, STAFF Interview with Manolo Ray Rivero, by Ponzi/Gonzales (JFK Document 009005)
73. CIA/DDO, ~~Ray Volume XII, Cable to Director from JMWAVE 1/14/64~~
74. CIA/DDO, ~~Ray Volume XII, Intelligence Information Cable, 2/4/64~~

Classified by derivation: \_\_\_\_\_

(This form is to be used for material extracted

75. CIA/DDO, ~~Ray Volume XIII, Cable to Director from JMWAWE~~  
3/28/64
76. CIA/DDO, ~~Ray Volume XIII, Memo for Chief, WH Division~~  
4/14/64 from [redacted] Subject: My Meeting.  
~~with Ray on 13 April 1964~~
77. Time, The Hemisphere - Cuba, page 48, June 12, 1964
78. Ibid,
79. Ibid.
80. Ibid'
81. CIA/DDO, ~~Ray Volume XIV, Cable to Director from JMWAWE,~~  
5/20/64, ~~and Ray Volume XV, Cable to Director from~~  
JMWAWE, 6/3/64
82. Time, The Hemisphere - Cuba, page 48, June 12, 1964
83. Ibid.
84. Ibid,
85. Ibid,
86. Ibid,
87. Ibid.
88. CIA/DDO, ~~Ray Volume XIV, Memo for Record, 5/20/64 from~~  
~~Samuel Halpern, Subject: IURE Purchase of Arms.~~
89. Ibid,
90. Ibid.
91. CIA/DDO, ~~Ray Volume XV, Memo for Record, 6/29/64 from~~  
[redacted] Subject: Establishment of Base  
Abroad, Manuel Ray Rivero
92. CIA/DDO, ~~Ray Volume XVI, Cable to Director (From JMBARR)~~  
7/15/64
93. CIA/DDO, ~~Ray Volume XVI, Wire service printout, Miami,~~  
Florida, July 24, 1964
94. CIA/DDO, ~~Ray Volume XV, Memo for Record, 6/29/64 from,~~  
[redacted] Subject: Establishment of Base Abroad,  
Manuel Ray Rivero, LDR:

Classification: \_\_\_\_\_

Footnotes - Manuel Ray Rivero

Page 6

(This form is to be used for material extracted  
from CIA—controlled documents.)

95. CIA/DDO, ~~Ray Volume XVII~~, Autonomous Operations -  
Operating Plan
96. CIA/DDO, ~~Ray Volume XVII~~, Memo for ~~Record~~, draft,  
9/22/64 from
97. CIA/DDO, ~~Ray Volume XVIII~~, Cable, Cite WH/Miami, #2233  
6/4/69
98. Ibid. STAFF
99. HSCA #009005, Memo to G. Robert Blakey, 6/28/78, <sup>^</sup>Interview  
with Manolo Ray Rivero, by ~~Eonzi/Gonzales~~ (JFK DOCUMENT  
009005)
100. Ibid.
101. Ibid.

Classification: \_\_\_\_\_

Classified by derivation: \_\_\_\_\_