

September 15, 1993

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

'93 SEP 20 P2:10

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of:)	
)	Docket Nos. 50-275-OLA
Pacific Gas and Electric Company)	50-323-OLA
)	(Construction Period
(Diablo Canyon Nuclear Power)	Recovery)
Plant, Units 1 and 2))	
)	

CORRECTIONS TO TRANSCRIPTS OF PROCEEDINGS HELD AT
SAN LUIS OBISPO FROM AUGUST 17, 1993 TO AUGUST 24, 1993

Tuesday, August 17, 1993:

- pp. 569-947 various lines "Giffen" should read "Giffin".
- pp. 569-747 various lines "Vosbourg" should read "Vosburg".
- p. 574 l. 17: "Conversations" should read "Pursuant to conversations".
- p. 576 l. 6: "everybody" should read "every".
- p. 581 l. 20: "new docs" should read "NUDOCS".
- p. 589 l. 12: "loop" should read "loop test".
- p. 598 l. 18: "Sherehen" should read "Shoreham".
- p. 604 l. 8: "8904" should read "89-04".
- p. 605 l. 3: "9201" should read "92-01".
- p. 605 l. 6: "lieu" should read "you look".
- p. 606 l. 11: "relief back" should read "relieve back".
- p. 606 l. 12: "holding" should read "holdup".
- p. 606 l. 14: "VCT" should read "holdup tanks".
- p. 607 l. 1: "8904" should read "89-04".
- p. 608 l. 15: "tested set" should read "tested sat".

p. 608 l. 22: "did not." should read "did not leak."
p. 613 l. 10: "IR 5 STPV 4-A" should read "IR5, STP V-4A".
p. 616 l. 14: "set" should read "sat".
p. 616 l. 22: "toto" should read "total".
p. 617 l. 1: "responsibility" should read "respond".
p. 630 l. 6: "what is the" should read "what is and".
p. 630 l. 7: "isn't it true" should read "isn't true".
p. 645 l. 12: "none safety" should read "nonsafety".
p. 645 l. 19: "that that cable" should read "that the cable"
p. 647 l. 4: "installation" should read "insulation".
p. 647 l. 14: "issue when" should read "issue. When".
p. 649 l. 11: "that that was" should read "that this was".
p. 649 l. 11: "contaminate" should read "contaminant".
p. 652 l. 17: "systems" should read "system".
p. 653 l. 24: "more" should read "for".
p. 654 l. 24: "face to face" should read "phase-to-phase".
p. 657 l. 11: "that's in my" should read "that's my".
p. 658 l. 3: "LAR" should read "LER".
p. 660 l. 1: "floor" should read "fault".
p. 664 l. 4: "ETRG" should read "TRG".
p. 666 l. 22: "PRI" should read "PRA".
p. 667 l. 4: "LSRG" should read "OSRG".
p. 668 l. 14: "well" should read "when".
p. 675 l. 10: "check dowel cover" should read "check valve cover".
p. 676 l. 25: "initial" should read "initially".
p. 681 ll. 4-5: "in the new reg" should read "in the NUREG".
p. 685 l. 9: "past" should read "pass".
p. 686 l. 15: "double" should read "dowel".

p. 689 l. 25: "limit" should be deleted.

p. 690 l. 1: "torque" should read "Limitorque".

p. 690 l. 9: "did do an" should read "did an".

p. 692 l. 6: "designed a" should read "designed will have a".

p. 693 l. 19: "evaluation" should read "evaluations".

p. 701 l. 2: "monitoring along the dosimetry" should read "monitoring dosimetry".

p. 704 l. 5: "INC" should read "I&C".

p. 706 l. 2: "symmetry" should read "dosimetry".

p. 706 l. 14: "Internal" should read "External".

p. 710 l. 22: "operate" should read "corporate".

p. 717 l. 3: "Art Grey" should read "Russ Gray".

p. 717 l. 17: "this" should read "his".

p. 719 l. 21: "for my deficiencies" should read "for the deficiencies".

p. 721 l. 9: "him" should read "in".

p. 726 l. 19: "NRC DCO-93-MF-9039" should read "NCR DCO-93-MF-N039".

p. 728 l. 23: "wait" should read "weight".

p. 734 l. 14: "in-take" should read "intake".

p. 735 l. 2: "INC" should read "I&C".

p. 735 l. 17: "insurance" should read "assurance".

p. 738 l. 2: "in-take" should read "intake".

p. 741 l. 18: "to get away" should read "to do away".

p. 742 ll. 14, 15, 19: "in-take" should read "intake".

p. 743 l. 20: "nude" should read "need".

Wednesday, August 18, 1993:

p. 754 l. 3: "tension" should read "attention".

p. 755 l. 6: "new reg" should read "NUREG".

p. 756 l. 5: "or 197" should read "or Reg Guide 1.97".

p. 760 l. 7: "instrument" should read "industry".

p. 760 l. 10: "monitoring the motion for" should read "monitoring for".

p. 764 l. 19: "up" should read "of".

p. 766 l. 3: "comp" should read "pump".

p. 766 l. 12: "the was" should read "the valve was".

p. 767 l. 4: "accident postulated accident" should read "postulated accident".

p. 767 l. 10: "NRC" should read "NCR".

p. 767 l. 13: "Limittorque" should read "Limitorque".

p. 768 l. 10: "Limittorque" should read "Limitorque".

p. 768 l. 16: "NRC" should read "NCR".

p. 769 l. 22: "NRC" should read "NCR".

p. 770 l. 15: "NRC" should read "NCR".

p. 770 l. 22: "Limittorques" should read "Limitorques".

p. 771 l. 2: "time" should read "type".

p. 773 l. 4: "wait" should read "weight".

p. 778 l. 25: "handling and" should read "handling".

p. 779 l. 15: "still" should read "spill".

p. 781 l. 20: "list" should read "listed".

p. 784 l. 14: "DC 290-TM-N015" should read "DC 2-90-TM-N015".

p. 785 l. 8: "minute meetings" should read "meeting minutes".

p. 785 l. 9: "NRC " should read "NCR".

p. 797 l. 24: "function" should read "functioning".

p. 799 l. 6: "courtroom" should read "room".

p. 800 l. 24: "new regular" should read "NUREG".

p. 801 ll. 18-19: "tight end" should read "tightened".

p. 804 l. 19: "INC" should read "I&C".

p. 813 l. 4: "in tact" should read "intact".

p. 816 l. 25: "DC2-90-TNN015?" should read "DC2-90-TN-N015?"

p. 832 l. 24: "mager" should read "meggar".

p. 833 l. 21: "I1B" should read "I-1B".

p. 834 l. 2: "STP-I1B" should read "STP I-1B".

p. 835 l. 9: "I1A" should read "I-1A".

p. 835 l. 9: "check list" should read "checklist".

p. 835 l. 13: "STP-I1A" should read "STP-I-1A".

p. 835 l. 14: "STP-I1B" should read "STP-I-1B".

p. 836 l. 14: "1993" should read "1990".

p. 838 l. 8: "instrument --" should read "instrument line --".

p. 851 ll. 7-8: "or something and other causes" should read "or some other cause".

p. 857 l. 3: "I want" should read "we".

p. 859 ll. 5, 12, 14: "NRC" should read "NCR".

p. 859 l. 10: "miscommitment" should read "missed commitment".

p. 860 l. 3: "NRC" should read "NCR".

p. 860 l. 24: "to" should read "go".

p. 863 ll. 5, 9: "UGA" should read "Yuba".

p. 867 l. 5: "that read" should read "that I read".

p. 871 l. 1: "complicate" should read "implicate".

p. 879 l. 16: "ORTORE" should read "VOSBURG".

p. 879 l. 18: "DCPT" should read "DCPP".

p. 882 l. 5: "The miss if a made" should read "The mistake was made".

p. 882 l. 21: "honed" should read "hung".

p. 884 l. 14: "NRC" should read "NCR".

p. 887 l. 18: "NRCs" should read "NCRs".

- p. 887 ll. 21-22: "it's rolling that one over" should read "it's being rolled over".
- p. 888 l. 5: "operate" should read "separate".
- p. 891 l. 14: "analyses which one done" should read "analysis which was done".
- p. 894 l. 23: "NRC" should read "NCR".
- p. 895 ll. 1, 22: "NRC" should read "NCR".
- p. 905 l. 7: "cover training" should read "cover that in training".
- p. 908 l. 24: "install equipment" should read "install the equipment".
- p. 913 l. 24: "together in a" should read "together and a".
- p. 916 ll. 7, 24: "FCB37" should read "FCV-37".
- p. 917 l. 1: "FCB37" should read "FCV-37".
- p. 922 l. 25: "in its position" should read "in an incorrect position".
- p. 923 l. 6: "cable to run" should read "cable and runs".
- p. 928 ll. 20-21: "the valve on the pump that" should read "the pump that".
- p. 930 ll. 20-21: "in one position" should read "in position".
- p. 934 l. 11: "outage, number 14," should read "outage, 2R1,".
- p. 934 l. 19: "well" should read "weld".
- p. 934 l. 22: "INE" should read "I&E".
- p. 936 l. 6: "amel" should read "anneal".

Thursday, August 19, 1993:

- p. 1058 ll. 1, 2, 4 and 19: "NRC" should read "NCR".
- p. 1065 l. 23: "watering" should read "water".
- p. 1066 l. 15: "fair" should read "fire".
- p. 1067 l. 6: "NRC" should read "NCR".
- p. 1067 l. 8: "PMI" should read "TMI".
- p. 1069 l. 1: "NRC" should read "NCR".

p. 1070 ll. 4, 17 and 19: "NRC" should read "NCR".

p. 1071 l. 24: "NRC" should read "NCR".

p. 1073 ll. 6, 8 and 11: "NRC" should read "NCR".

p. 1077 l. 15: "NRC" should read "NCR".

p. 1078 l. 6: "NRC" should read "NCR".

p. 1084 l. 8: "additional" should read "additionally".

p. 1086 l. 25 (two places): "NRCs" should read "NCRs" (first place);
"NRC" should read "NCR" (second place).

p. 1091 l. 22: "NRC" should read "NCR".

p. 1096 l. 16: "investigation" should read "iteration," and "NRC"
should read "NCR".

p. 1096 l. 18: "investigation" should read "iteration".

p. 1098 ll. 14 and 16: "NRC" should read "NCR".

p. 1099 ll. 19 and 22: "plan" should read "plant".

p. 1101 l. 5: "preventative" should read "prevent it".

p. 1101 ll. 6 and 7: "NRC" should read "NCR".

p. 1103 l. 7: "problem" should read "program".

p. 1104 l. 18: "Crockett" should read "Vosburg".

p. 1114 l. 3: "2" should read "24".

p. 1119 l. 16: "o" should read "no".

p. 1122 l. 8: "CCT2-1" should read "CCP 2-1".

p. 1132 l. 9: "bee" should read "been".

p. 1145 l. 22: "DCI-92-TP-NO52" should read "DCI-92-TP-NO52".

p. 1148 l. 1: "personal" should read "personnel error".

p. 1148 l. 18: "RCB-16" should read "RCV-16".

p. 1149 l. 9: "surveillances based" should read "surveillances is
based".

p. 1150 l. 18: insert "engineer" between "system" and "in".

p. 1154 l. 5: "in" should read "is."

p. 1155 ll. 6 and 7: "here's" should read "there's" in both instances.

p. 1155 l. 24: "procedures" should read "procedure".

p. 1158 l. 17: "paints" should read "painters".

p. 1158 l. 24: "our -- in" should read "our pumps in".

p. 1167 l. 9: "contingent" should read "contention".

p. 1168 l. 12: "contingent" should read "contention".

p. 1169 l. 21: "contingent" should read "contention".

p. 1170 ll. 19 and 22: "IME" should read "I&E" in both places.

p. 1171 l. 7: "IME" should read "I&E".

p. 1171 l. 17: "rejection" should read "reduction".

p. 1180 l. 21: "CBCS-2-83-78B and CBCS-2-83-78AA" should read "CVCS-2-8378B and CVCS-2-8378A".

p. 1181 l. 11: "last night" should read "minutes".

p. 1182 l. 5: delete "Leakage of a reactor."

p. 1186 l. 13: "grates" should read "leak rates".

p. 1187 l. 20: "CBCS" should read "CVCS".

p. 1189 l. 14: "9428" should read "942A".

p. 1192 l. 17: delete "a dust".

p. 1192 l. 21: "pin" should read "pen".

p. 1194 l. 1: "INC" should read "I&C".

p. 1196 l. 25: "defective" should read "effective".

p. 1198 l. 19: "our" should read "on".

p. 1201 l. 2: "local" should read "LOCA".

p. 1201 l. 8: "conditioning" should read "condition in".

p. 1203 l. 16: "NRC" should read "NCR".

p. 1203 l. 20: "calculation" should read "calibration".

p. 1203 l. 25: "operate" should read "operating".

p. 1204 ll. 6 and 7: delete "one of the once that probably".

p. 1204 l. 12: "NRC" should read "NCR".

p. 1205 l. 2: "NRC" should read "NCR".

p. 1214 l. 11: "proper" should read "broke".

p. 1214 l. 13: "do" should read "did".

p. 1214 l. 19: "fuels" should read "fluids".

p. 1228 ll. 7, 8 and 13: "NRC" should read "NCR".

p. 1229 l. 8: delete the second "in".

p. 1231 l. 19: "NRC" should read "NCR".

p. 1231 l. 21: "1" should read "one".

p. 1231 l. 22: "APE 14" should read "AP E-14".

p. 1232 l. 2: "NRC" should read "NCR".

p. 1237 l. 5: "NRC" should read "NCR".

p. 1240 l. 13: "NRC" should read "NCR".

p. 1241 ll. 18 and 22: "NRC" should read "NCR".

p. 1242 l. 25: "NRC" should read "NCR".

p. 1243 l. 11: "NRC" should read "NCR".

p. 1244 l. 18: "INC" should read "I&C".

p. 1245 ll. 4, 10, 14, 16, 22, 24 and 25: "INC" should read "I&C".

p. 1245 l. 16: "can" should read "can't".

p. 1246 l. 2: "INC" should read "I&C".

p. 1247 l. 12: move "QUESTIONS BY THE JUDGES" to between lines 6 and 7.

p. 1253 ll. 2 and 3: "the issue" should read "to be issued".

p. 1254 ll. 15, 22 and 23: "veins" should read "vanes".

p. 1255 l. 8: "veins" should read "vanes".

p. 1255 ll. 18 and 21: "NRC" should read "NCR".

p. 1255 l. 24: "tension" should read "attention".

p. 1256 l. 10: "NRC" should read "NCR".

p. 1259 l. 22: "revolved" should read "resolved".

p. 1261 l. 15: "revolved" should read "resolved".

Friday, August 20, 1993:

p. 1276 l. 8: insert "for" between "plant," and "personnel".

p. 1276 l. 18: "watchers" should read "watches".

p. 1281 l. 7: "at" should read "that".

p. 1289 l. 10: "utilizers" should read "utilizes".

p. 1289 l. 23: "controller" should read "control room".

p. 1293 l. 2: "black" should read "block".

p. 1293 l. 12: "flash" should read "reflash".

p. 1305 l. 25: "existing" should read "exiting".

p. 1310 l. 25: insert "one" between "a" and "foot" to read "a one foot".

p. 1316 l. 3: "to" should read "as".

p. 1319 l. 6: "DW" should read "GW".

p. 1319 l. 22: "his" should read "it's".

p. 1320 l. 6: "to" should read "the".

p. 1321 l. 12: "example in the" should read "example is the".

p. 1321 l. 17: "air" should read "area".

p. 1322 l. 2: "noticed" should read "notified".

p. 1322 l. 8: "says" should read "has".

p. 1324 l. 2: "from hand" should read "hard copy".

p. 1341 l. 5: "prior" should read "fire".

p. 1349 l. 16: "terms" should read "items".

p. 1351 l. 11: "inspect for" should read "inspector".

p. 1351 l. 25: "Appendix R-6 shutdown" should read
"Appendix R safe shutdown".

p. 1360 l. 2: delete "is our" and insert "R".

p. 1367 l. 2: delete "If" and capitalize "The".

p. 1369 l. 6: delete "cable".

p. 1369 l. 24: "Point" should read "But".

p. 1370 l. 13: "to eight" should read "day".

p. 1370 l. 25: "bar" should read "fire".

p. 1371 l. 4: "thermolagging" should read "thermolag".

p. 1390 l. 11: "as well as" should read "as well, is".

p. 1396 l. 13: "initially" should read "initial".

p. 1403 l. 25: "eight" should read "one-eighth".

p. 1409 l. 2: "compression" should read "impression".

p. 1409 l. 18: "cable" should read "Table".

p. 1421 l. 20: "tree" should read "treat".

p. 1433 l. 20: "Bolton" should read "Bulletin".

p. 1436 ll. 20 and 23: "8-10" should read "A-10".

p. 1436 l. 24: "Unit 1 12 kV" should read "Unit 1 480 volt". This correction is made as noted in PG&E's September 7, 1993 letter to the ASLB.

p. 1438 ll. 7, 8 and 9: "12 kV" should read "480 volt" to conform with the correction made at p. 1436 l. 24.

p. 1440 l. 19: "trainees" should read "trains".

p. 1440 l. 25: "water" should read "matter".

p. 1446 l. 2: "their" should read "there are".

p. 1451 l. 2: the second "will" should read "with".

p. 1452 l. 9: "letter" should read "LER".

p. 1454 l. 16: "reside wall" should read "residual".

p. 1455 l. 20: the third "this" should read "is".

p. 1458 l. 4: "is" should read "his".

p. 1459 l. 12: "training" should read "trained".

p. 1463 l. 6: "extent" should read "extend".

p. 1464 l. 17: "Bolton" should read "Bulletin".
p. 1467 l. 13: "be" should read "been".
p. 1476 l. 4: "no" should read "now".
p. 1485 l. 14: "role" should read "rule".
p. 1486 ll. 18 and 20: "plans" should read "plants".
p. 1487 l. 1: "that out" should read "that is out".
p. 1487 l. 2: "and foremost space" should read "performance based".
p. 1489 l. 11: "to" should read "do".
p. 1491 l. 14: "SSC" should read "SSCs".
p. 1491 l. 19: "other" should read "for".
p. 1492 l. 18: "liability center" should read "reliability centered".
p. 1493 l. 12: ", fast run," should read "factor, low".
p. 1494 l. 24: delete "luckily,".
p. 1495 l. 14: "brake" should read "break".
p. 1495 l. 17: "almost to the" should read "most of the".
p. 1495 l. 18: "comp" should read "time".
p. 1495 l. 19: delete "comp".
p. 1496 l. 4: "conception" should read "consumption".

Saturday, August 21, 1993:

p. 1504 l. 25: "NCR" should read "NRC".
p. 1505 ll. 1, 3, 6: "NCR" should read "NRC".
p. 1505 l. 11: "NCREA" should read "NRC-EA".
p. 1506 l. 12: "deplete" should read "delete".
p. 1509 l. 8: "in" should read "up".
p. 1510 l. 10: "weariness" should read "awareness".
p. 1510 l. 16: delete "4 or 5".
p. 1511 ll. 5, 6, 7 and 21: "research" should read "RECIRC".

p. 1511 l. 8: "condition" should read "inside".

p. 1515 l. 14: "very" should read "every".

p. 1515 l. 22: "NRC" should read "NCR".

p. 1516 l. 14: "be" should read "been".

p. 1516 l. 15: "NCR" should read "NRC".

p. 1516 l. 21: "three-eights instruments" should read "three-eights
inch instrument".

p. 1517 l. 5: "NCR" should read "NRC".

p. 1520 l. 7: "false" should read "falls".

p. 1520 l. 22: "Violation addresses respect that" should read
"Violation addresses with respect to that".

p. 1521 l. 21: "must" should read "can't".

p. 1525 l. 3: after the word "mode" insert "4" to read "mode 4".

p. 1527 l. 6: delete "on" and insert "when".

p. 1527 l. 16: "prior to go into" should read "prior to going into".

p. 1530 ll. 1 and 12: "NRC" should read "NCR".

p. 1531 l. 9: "is" should read "us".

p. 1538 l. 19: "any" should read "many".

p. 1540 l. 5: "a crack" should read "no cracks".

p. 1540 l. 8: "tenure" should read "ten year".

p. 1541 ll. 13 and 16: "speed" should read "feed".

p. 1544 l. 1: "baroscope" should read "boroscope".

p. 1545 l. 6: "NCR" should read "NRC".

p. 1551 l. 21: "wells" should read "welds".

p. 1551 l. 23: "well" should read "weld".

p. 1553 l. 3: "wells" should read "welds".

p. 1557 l. 23: "NCR NOV" should read "NRC NOV".

p. 1567 l. 21: "trans income" should read "transient".

p. 1568 l. 5: "unland" should read "unplanned".

p. 1568 l. 12: "opponent" should read "component".

p. 1569 l. 9: "INC" should read "I&C".

p. 1571 ll. 1 and 25: "INC" should read "I&C".

p. 1572 l. 2: "for" should read "per".

p. 1573 ll. 2, 9 and 19: "INC" should read "I&C".

p. 1574 l. 21: "verified" should read "verify".

p. 1575 l. 6: "hike" should read "like".

p. 1577 l. 6: "operate force" should read "operators."

p. 1578 l. 18: "INC" should read "I&C".

p. 1579 ll. 10, 12 and 14: "INC" should read "I&C".

p. 1581 l. 1: "INC" should read "I&C".

p. 1581 l. 2: "SGP" should read "STP".

p. 1581 l. 10: "times" should read "kinds".

p. 1582 l. 2: "do" should read "done".

p. 1582 ll. 15, 16, 18 and 20: "INC" should read "I&C".

p. 1586 l. 2: "INC" should read "I&C".

p. 1586 l. 12: "can errors" should read "can have errors".

p. 1591 l. 11: insert "Operator," before the word "Yes".

p. 1592 l. 14: "phrase" should read "trace".

p. 1595 l. 10: "MPE-63.18" should read MP E-63.1A".

p. 1596 l. 20: "63.A" should read "63.1A".

p. 1601 l. 4: "or" should read "of".

p. 1603 l. 9: "MCR DCO-93-TNN-006" should read "NCR DCO-93-TN-N006".

p. 1603 ll. 17 and 20: "Hosberry" should read "HOSGRI".

p. 1609 l. 13: "foreman" should read "department".

p. 1611 l. 7: "NCR" should read "NRC".

p. 1617 l. 20: "valve SI28809B" should read "valve SI-2-8809B".

p. 1619 l. 13: "can" should read "cannot".

p. 1620 l. 2: "S128808B" should read "SI-2-8808B".

p. 1620 l. 17: "like" should read "leg".

p. 1620 l. 20: "do" should read "look at".

p. 1623 l. 23: "where" should read "what".

p. 1627 l. 21: "rig" should read "rad".

p. 1629 l. 2: "SSEs" should read "SSCs".

p. 1650 l. 1: "NCR" should read "NRC".

p. 1651 l. 4: "diverter" should read "inverter".

p. 1657 l. 5: "reliability" should read "reliable".

p. 1657 l. 7: "grade" should read "upgrade".

p. 1657 l. 12: "NCR" should read "NRC".

p. 1659 l. 8: "P" should read "feed".

p. 1659 l. 11: "Vosburg" should read "Giffin".

p. 1665 l. 8: after "sir." insert "Judge Bechhoefer".

p. 1670 l. 1: "pump" should read "bump".

p. 1670 l. 10: "deprive" should read "driver".

p. 1670 l. 13: "rated" should read "radiated".

p. 1672 l. 15: "INC" should read "I&C".

p. 1673 l. 5: "take" should read "tape".

p. 1673 ll. 7 and 14: "INC" should read "I&C".

p. 1674 l. 20: "CVR" should read "CVI".

p. 1675 l. 8: "spoke" should read "into".

p. 1675 l. 15: "destined" should read "designed".

p. 1676 l. 15: "are" should read "or".

p. 1676 l. 17: "reportability" should read "reportable".

p. 1676 l. 22: "NRC" should read "NCR".

p. 1677 l. 13: "NRCs" should be "NCRs".

p. 1678 l. 12: "4-A" should read "44-A".

p. 1678 l. 14: insert "We" before "Now".
p. 1679 l. 12: "are" should read "yard".
p. 1683 ll. 12, 13 and 25: "ceiling" should read "sealing".
p. 1684 ll. 1 and 3: "ceiling" should read "sealing".
p. 1684 l. 4: "open" should read "opened".
p. 1684 l. 11: "I" should read "It".
p. 1684 l. 23: "doesn't" should read "didn't".
p. 1685 l. 2: "ceiling" should read "sealing".
p. 1685 l. 4: "had had caused" should read "had that caused".
p. 1686 l. 17: "at" should read "with".
p. 1687 l. 24: delete "not".
p. 1693 l. 1: "in" should read "and".
p. 1699 l. 11: "partnership" should read "away".
p. 1699 l. 14: "ops" should read "aux".
p. 1699 ll. 20 and 22: "timed" should read "time".
p. 1700 l. 19: "flout" should read "throughout".
p. 1700 l. 22: "for" should read "more".

Monday, August 23, 1993:

p. 1714 l. 16: "FCB-496" should read "FCV-496".
p. 1716 l. 8: "we now revised" should read "we have now revised".
p. 1717 l. 11: "it's" should read "is".
p. 1721 l. 23: "FCB-" should read "FCV-".
p. 1722 l. 1: "FCB-495" should read "FCV-495".
p. 1722 l. 3: "FCB-496" should read "FCV-496".
p. 1722 l. 15: "FCB-495s" should read "'FCV-495s".
p. 1722 l. 23: "NCR in" should read "NCR are in".
p. 1724 l. 6: "NOV" should read "MOV".

p. 1724 l. 14: "Ortore)" should read "Vosburg)".

p. 1725 l. 17: "FCB-495 and FCB-496" should read "FCV-495 and FCV-496".

p. 1726, ll. 10, 11, 13: "FCB" should read "FCV".

p. 1728 l. 9: "It" should read "If it".

p. 1728 l. 11: "bus. Then" should read "bus, then".

p. 1746 l. 12: "correct" should read "connect".

p. 1747 l. 8: "watches" should read "washers".

p. 1747 l. 15: "test" should read "Tech".

p. 1751 l. 13: "STP N-81" should read "STP M-81".

p. 1756 L. 18: "INC" should read "I&C".

p. 1757 l.4: "for" should read "for 50".

p. 1760 l 8: "Q In my opinion" should read "In my opinion".

p. 1761 l. 15: "door" should read "drawer".

p. 1762 l. 5: "Q" should read "A".

p. 1762 l. 6: "A" should read "Q".

p. 1765 l. 24: "NCR" should read "NRC".

p. 1766, l. 1: "INC" should read "I&C".

p. 1766 l. 2: "operate" should read "operator".

p. 1773 l. 8: "generate force" should read "generators".

p. 1773 ll. 15, 16, 21, 23, 24: "NRC" should read "NCR".

p. 1775, l. 5: "NRC" should read "NCR".

p. 1775, l. 6: "NRCs" should read "NCRs".

p. 1775, l. 11: "stream" should read "steam".

p. 1776 l. 7: "second" should read "secondary".

p. 1776 l. 8: "valve" should read "valve which had to also be leaking".

p. 1776 l. 11: "NRC" should read "NCR".

p. 1776 l. 19: "responsibility" should read "response".

p. 1778 l. 18: "recollection" should read "following".

p. 1780 l. 7: "ops" should read "aux".

p. 1782 l. 4: "ESFAS" should read "ESF".

p. 1783 l. 3: "INC" should read "I&C".

p. 1789, l. 3: "re-advised" should read "revised".

p. 1791 l. 12: "SCV" should read "FCV".

p. 1794 l. 19: "N067D6" should read "N067".

p. 1795 ll. 10, 11: "NO 67" should read "N067".

p. 1795 l. 20: "AFW" should read "ASW".

p. 1799 l. 20: "AFW" should read "ASW".

p. 1801 l. 4: "I" should read "it".

p. 1809 l. 20: "work" should read "fork".

p. 1817 l. 5: "No root cause was procedure" should read "No, root cause was procedures".

p. 1817 l. 6: "installation a" should read "installation of a".

p. 1819 l. 16: "an impression" should read "a compression".

p. 1822 l. 11: "BE" should read "B".

p. 1824 l. 3: ";" should read ",".

p. 1827 ll. 19, 21: "hones" should read "holds".

p. 1830 ll. 19, 21: "CDCS" should read "CVCS".

p. 1832 l. 25: "fail" should read "failing".

p. 1835 l. 20: "controller" should read "control room".

p. 1838 l. 14: "some 20" should read "some Part 20".

p. 1842 l. 14: "local" should read "LOCA".

p. 1845 l. 19: "MPE-57.8A" should read "MP E-57.8A".

p. 1856 l. 21: "DCMM-76" should read "DCM-76".

p. 1857 l. 25: "DCMM-76" should read "DCM-76".

p. 1864 l. 22: "cores" should read "PORVs".

- p. 1864 l. 25: "now" should read "no".
- p. 1868 l. 7: "FCB-23" should read "FCV-22".
- p. 1868 l. 8: "FCB-22" should read "FCV-22".
- p. 1871 l. 22: "FCV 4344" should read "FCV 43/44".
- p. 1875 l. 9: "INC" should read "I&C".
- p. 1876 l. 2: "no" should read "in".
- p. 1876 l. 16: "INC" should read "I&C".
- p. 1878 l. 14: "purchase" should read "approach".
- p. 1879 l. 20: "SCV" should read "FCV".
- p. 1888 l. 13: "NEs?" should read "NAs?".
- p. 1892 l. 22: "for was" should read "was".
- p. 1894 l. 10: "notice" should read "this".
- p. 1898 l. 2: "he" should read "we".
- p. 1901 l. 1: "teletickers" should read "teletemp stickers".
- p. 1901 l. 1: "temple" should read "temperature".
- p. 1904 l. 14: "can" should read "K".
- p. 1907 l. 15: "date of" should read "data".
- p. 1907 l. 16: "missing is missing" should read "missing".
- p. 1910 l. 21: "improvement" should read "equipment".
- p. 1910 l. 22: "sense" should read "sentence".

Tuesday, August 24, 1993:

- p. 2034 l. 16: "proceeding it's simply" should read "proceeding simply".
- p. 2039 l. 9: "lifes" should read "lives".
- p. 2039 l. 13: "lifes" should read "lives".
- p. 2042 l. 2: "maintenance that is" should read "maintenance, that is".
- p. 2042 l. 13: "reason is discovered" should read "reason, is discovered".

p. 2042 l. 24: "worse" should read "worst".

p. 2043 l. 14: "has" should read "have".

p. 2043 l. 18: "8930" should read "89-30".

p. 2044 l. 2: "congested that" should read "congested such that".

p. 2044 l. 3: "created" should read "create".

p. 2044 l. 11: "HBAC" should read "HVAC".

p. 2044 l. 14: "affects" should read "effects".

p. 2044 l. 16: "confirmitory" should read "confirmatory".

p. 2044 l. 25: "INC" should read "I&C".

p. 2045 l. 12: "INC" should read "I&C".

p. 2045 l. 17: "little temperatures" should read "little change in temperatures".

p. 2045 l. 25: "Most" should read "For most".

p. 2046 l. 9: "reasons" should read "reason".

p. 2046 l. 10: "INC" should read "I&C".

p. 2046 l. 14: "instrumentation and" should read "instrumentation".

p. 2046 l. 17: "are" should read "is".

p. 2046 l. 22: "electrical" should read "electrical equipment".

p. 2047 l. 6: "it early" should read "it since early".

p. 2047 l. 12: "Sergeant" should read "Sargent".

p. 2047 l. 23: "Sergeant" should read "Sargent".

p. 2048 l. 5: "detail" should read "detailed".

p. 2049 l. 9: "was" should read "were".

p. 2052 l. 23: "to that" should read "to as that".

p. 2053 l. 13: "looking at going back" should read "looking at, going back".

p. 2057 l. 1: "techs" should read "Tech Specs".

p. 2057 l. 7: "stick" should read "switch".

p. 2057 l. 9: "INC" should read "I&C".

p. 2057 l. 14: "that it" should read "that, it".

p. 2058 l. 21: "contradicted" should read "contributed".

p. 2059 l. 6: "operator for" should read "operator".

p. 2059 l. 7: "role" should read "control".

p. 2059 l. 22: "another" should read "other".

p. 2059 l. 25: "or" should read "other".

p. 2066 l. 1: "STPV-18" should read "STP V-18".

p. 2066 l. 1: "APC-750" should read "AP C-750".

p. 2066 l. 1: "APD-760" should read "AP D-760".

p. 2066 l. 11: "APD-760" should read "AP D-760".

p. 2068 l. 18: "staff" should read "NRC staff".

p. 2070 l. 5: "and" should read "of".

p. 2071 l. 15: "work" should read "work order".

p. 2075 l. 19: "8921" should read "89-21".

p. 2077 l. 1: "8921" should read "89-21".

p. 2079 l. 22: "NCR" should read "NRC".

p. 2082 l. 17: "1929" should read "1992".

p. 2082 l. 19: "diaphragms" should read "diaphragm".

p. 2083 l. 14: "9201" should read "92-01".

p. 2083 l. 15: "9117" should read "91-17".

p. 2083 l. 18: "9107" should read "91-07".

p. 2087 l. 6: "a witness" should read "witnesses".

p. 2089 l. 8: "in combustion" should read "and Combustion".

p. 2089 l. 9: "engineering" should read "Engineering".

p. 2091 l. 11: "demonstrated" should read "demonstrates".

p. 2094 l. 12: "inspecting" should read "inspections of".

p. 2095 l. 25: "Incanel" should read "Inconel".

p. 2096 l. 14: "Petition" should read "Petition of".

p. 2107 l. 6: "operate" should read "operating".

p. 2110 l. 10: "Luke" should read "4-Loop".

p. 2111 l. 10: "proved" should read "improved".

p. 2112 l. 24: "effect" should read "factor".

p. 2114 l. 20: "agnosticators" should read "prognosticators".

p. 2132 l. 1: "mold" should read "mode".

p. 2135 l. 12: "agreement, risks" should read "agreement. Risks".

p. 2135 l. 13: "include the list" should read "include: the list".

p. 2136 l. 3: "FMEA" should read "FME".

p. 2142 l. 20: "removed" should read "removal".

p. 2143 l. 1: "rigors" should read "riggers".

p. 2143 l. 16: "conduct" should read "conducted".

p. 2144 l. 23: "where" should read "when".

p. 2149 l. 21: "for our" should read "four or".

p. 2159 l. 14: "reliability" should read "reliably".

p. 2151 l. 15: "mandated them" should read "mandated".