

RESEARCH REPORT, NARA NATIONAL CULTURAL PROPERTIES
RESEARCH INSTITUTE, NO.54

EXCAVATION REPORT, NARA CAPITAL,
EAST SECOND AND THIRD WARDS

—INVESTIGATION OF THE MANSIONS OF
PRINCE NAGAYA AND FUJIWARA MARO—

ENGLISH SUMMARY

NARA NATIONAL CULTURAL PROPERTIES
RESEARCH INSTITUTE (NABUNKEN) 1995

CONTENTS

| | | |
|------------|---|----|
| Chapter I | Introduction | 1 |
| 1. | Progress of excavations at the Nara Capital | 1 |
| 2. | Publication of this report | 3 |
| Chapter II | Outline of the excavations | 5 |
| 1. | Progress of the excavations | 5 |
| 2. | Excavated areas | 9 |
| A. | Location and environs | 9 |
| B. | Division into sectors and surveying | 15 |
| 3. | Outline of each excavation | 17 |
| A. | Excavation no. 178 | 17 |
| B. | Excavation no. 184 | 18 |
| C. | Excavation no. 186 (North, North II, Supplementary Sectors) | 19 |
| D. | Excavation no. 186 (West, West II Sectors) | 20 |
| E. | Excavation no. 190 | 20 |
| F. | Excavation no. 193 (A, D Sectors) | 21 |
| G. | Excavation no. 193 (B, C, E, F, B-supplementary Sectors) | 21 |
| H. | Excavation no. 195 (North, South Sectors) | 22 |
| I. | Excavation no. 197 | 22 |
| J. | Excavation no. 198 (A, B, C Sectors) | 23 |
| K. | Excavation no. 200 (Main and Supplementary Sectors) | 24 |
| L. | Excavation no. 204 | 24 |
| 4. | Excavation logs | 26 |
| A. | Excavation no. 178 | 26 |
| B. | Excavation no. 184 | 30 |
| C. | Excavation no. 186 (North, North II, Supplementary Sectors) | 34 |
| D. | Excavation no. 186 (West, West II Sectors) | 35 |
| E. | Excavation no. 190 | 38 |
| F. | Excavation no. 193 (A, D Sectors) | 40 |
| G. | Excavation no. 193 (B, C, E, F, B-supplementary Sectors) | 42 |
| H. | Excavation no. 195 (North, South Sectors) | 46 |
| I. | Excavation no. 197 | 47 |
| J. | Excavation no. 198 (A, B, C Sectors) | 48 |
| K. | Excavation no. 200 (Main and Supplementary Sectors) | 52 |

| | |
|---|-----|
| L. Excavation no. 204 | 53 |
| Chapter III Site description | 55 |
| 1. General overview | 55 |
| A. Natural topography and landscaping prior to construction of Nara Capital | 55 |
| B. Stratigraphy and relative chronology of archaeological features | 59 |
| 2. Features of city street plan | 71 |
| A. Second Street | 71 |
| B. East Second Intra-ward avenue | 74 |
| C. Block boundary streets | 75 |
| 3. Features of Blocks 1, 2, 7, and 8 of East Second Ward on Third Street | 76 |
| A. Introduction | 76 |
| B. Phase A | 79 |
| C. Phase B | 87 |
| D. Phase C | 90 |
| E. Phase D | 94 |
| F. Phase E | 99 |
| G. Phase F | 103 |
| H. Phase G | 107 |
| I. Features of indeterminate age | 108 |
| J. Features antedating the Nara Capital | 121 |
| 4. Features of Block 5 of East Second Ward on Second Street | 123 |
| A. Chronological divisions | 123 |
| B. Phase a | 123 |
| C. Phase b | 124 |
| D. Phase c | 124 |
| E. Phase d | 125 |
| F. Phase e | 126 |
| G. Phase f | 128 |
| H. Phase g | 129 |
| Chapter IV Artifacts | 131 |
| 1. <i>Mokkan</i> | 131 |
| A. Features yielding <i>mokkan</i> | 131 |
| B. <i>Mokkan</i> from Prince Nagaya's Mansion | 137 |
| C. <i>Mokkan</i> from Second Street | 144 |

| | | |
|----|--|-----|
| 2. | Roof tiles and bricks | 159 |
| | A. Round eave tiles | 159 |
| | B. Flat eave tiles | 181 |
| | C. Glazed tiles | 199 |
| | D. Round and flat tiles | 200 |
| | E. Constructional tiles (other than round, flat, and eave tiles) and reutilized tiles | 206 |
| | F. Roof tiles with written or stamped characters | 208 |
| 3. | Pottery | 209 |
| | A. From Ditch SD 4750, plus clay objects from same | 210 |
| | B. From wells of Phases A and B | 216 |
| | C. From Ditch SD 5100, plus clay objects from same | 219 |
| | D. From Ditches SD 5300 and SD 5310 | 249 |
| | E. From gutter lining north side of Second Street | 259 |
| | F. From gutters of intra-ward street of East Second Column | 261 |
| | G. From gutters of block boundary streets | 261 |
| | H. From wells of Phase C and later | 263 |
| | I. T'ang and Nara three-colored (glazed) pottery | 278 |
| | J. Pottery with ink-drawn human faces | 278 |
| | K. Pottery with ink or etched inscriptions, and stamped pottery | 279 |
| | L. Clay objects | 280 |
| 4. | Wooden implements | 290 |
| | A. From Ditch SD 4750 | 290 |
| | B. From gutter lining west side of intra-ward street of East Second Column | 298 |
| | C. From Ditch SD 5100 | 305 |
| | D. From Ditch SD 5300 | 324 |
| | E. From Ditch SD 5310 | 333 |
| | F. From gutter lining north side of Second Street | 334 |
| | G. From wells | 334 |
| | H. From pits and post holes | 338 |
| 5. | Coin | 341 |
| 6. | Metal, glass, and stone objects | 344 |
| | A. Metal objects | 344 |
| | B. Clay and glass objects, slag | 351 |
| | C. Worked stone objects | 355 |
| 7. | Floral and faunal remains | 358 |

| | |
|--|-----|
| Chapter V Interpretations | 363 |
| 1. <i>Mokkan</i> | 363 |
| A. Residents of Prince Nagaya's Mansion and its household management..... | 363 |
| B. Second Street cache of <i>mokkan</i> and the issue of the Empress's palace..... | 408 |
| 2. Roof tiles and bricks | 455 |
| A. Problems presented by the tiles used at Prince Nagaya's Mansion | 455 |
| B. Chronological assessment of roof tile Types 6282-6721 | 461 |
| C. Utilization of tiles as seen from chronological divisions and distributions of round eave tiles | 467 |
| 3. Pottery | 481 |
| A. Sub-divisions of the Nara Palace typology | 481 |
| B. Pottery from Prince Nagaya's Mansion | 486 |
| C. Special characteristics of the pottery assemblage from the wood scrap layer of Ditch SD 5100 | 492 |
| 4. Reconstruction of the city street grid and its relation to building placement | 497 |
| A. Reconstruction of the city street grid..... | 497 |
| B. Relation of building locations and the city street grid | 501 |
| 5. Evolution and architectural characteristics of structural features | 508 |
| A. Introduction | 508 |
| B. Changes in Blocks 1, 2, 7, and 8 of East Second Ward on Third Street | 508 |
| C. Changes in Block 5 of East Second Ward on Second Street | 520 |
| D. Architectural characteristics of Prince Nagaya's Mansion | 521 |
| 6. Characteristics of Hearth SX 4495 | 525 |
| 7. Conclusion | 529 |

Supplementary Discussion

| | |
|--|-----|
| 1 Site preservation and ground surface level marking | 536 |
| 2 The "Model of Prince Nagaya's Mansion," built in Fiscal Year 1990 | 537 |
| 3 Macroscopic plant remains from Ditches SD 4750, SD 5100, SD 5300, and SD 5310 | 543 |
| 4 Pollen and parasite analysis of gutters lining Second Street and intra-ward streets of East Second Ward Column, and Ditches SD 5100 and SD 5300..... | 553 |
| 5 Dendrochronology of lumber and a votive horse effigy | 565 |
| 6 "Sluice edifice" archaeological feature from Block 5 of East Second Ward on Second Street | 567 |

| | | |
|---|---|-----|
| 7 | Insect remains from Ditches SD 5100 and SD 5300, located on Second Street | 571 |
| 8 | Faunal remains from East Second Ward on Second Street and East Second Ward on Third Street | 573 |
| 9 | Composition of bronze items and materials used in bronze casting | 577 |
| | Supplementary Tables | 579 |
| | English Table of Contents | 625 |
| | English Summary | 644 |
| | Transcriptions of inscriptions on selected mokkan.....(back matter) | |

FRONTISPIECE

Prince Nagaya's Mansion and the Nara Palace Site (aerial photograph, from the southeast)

SUPPLEMENTARY TABLES

| | | |
|----|---|-----|
| 1 | Biographical chronology of Prince Nagaya | 580 |
| 2 | Biographical chronology of Fujiwara Maro | 582 |
| 3 | Principal buildings | 583 |
| 4 | Wells | 588 |
| 5 | Index of structural features | 589 |
| 6 | Aerial photographs | 593 |
| 7 | Numbers of round eave tiles recovered | 594 |
| 8 | Numbers of flat eave tiles recovered | 596 |
| 9 | Provenances of round tiles | 598 |
| 10 | Provenances of flat tiles | 599 |
| 11 | Provenances of bricks | 600 |
| 12 | Provenances of ridge-end tiles and glazed tiles | 601 |
| 13 | Distribution of Haji ware from Ditch SD 5100, by ceramic style | 602 |
| 14 | Distribution of Sue ware from Ditch SD 5100, by ceramic style..... | 603 |
| 15 | Ink inscribed pottery from Ditch SD 5100 | 604 |
| 16 | Distribution of Haji ware from Ditches SD 5300 and SD 5310, by ceramic style | 608 |
| 17 | Distribution of Haji ware from Ditches SD 5300 and SD 5310, by ceramic style | 609 |
| 18 | Ink inscribed pottery recovered from within East Second Ward and other locales | 610 |
| 19 | Incised and stamped pottery recovered from within East Second Ward and other locales | 614 |
| 20 | Ceramic typology | 615 |
| 21 | Numbers of wooden implements recovered, by structural feature | 616 |
| 22 | Numbers of wooden implements recovered from wells | 617 |

| | | |
|----|----------------------------------|-----|
| 23 | Measurement data for coins | 618 |
| 24 | Stone artifacts | 620 |

TABLES

Table

| | | |
|------|---|------------------|
| 1 | Work periods and surface areas of each excavation | 6 |
| 2 | Relations between Excavation numbers and the grid system | 16 |
| 3-11 | Temporal interrelationships among features..... | 61-64, 66-68, 70 |
| 12 | Strata and chronology of Ditch SD 5240 | 72 |
| 13 | Strata and chronology of Ditches SD 5100 and SD 5300..... | 74 |
| 14 | Strata and chronology of Ditch SD 4699 | 75 |
| 15 | Comparison of chronological phases of structural features with pottery and roof tile typologies (Part 1) | 76 |
| 16 | Comparison of chronological phases of structural features with pottery and roof tile typologies (Part 2) | 123 |
| 17 | Features yielding <i>mokkan</i> | 131 |
| 18 | <i>Mokkan</i> from Ditch SD 4750 | 138 |
| 19 | <i>Mokkan</i> from Ditch SD 4750, by type of tablet | 142 |
| 20 | <i>Mokkan</i> from Ditch SD 5100 | 145 |
| 21 | <i>Mokkan</i> from Ditches SD 5300 and SD 5310 | 146 |
| 22 | Tax classes and types of goods indicated on <i>mokkan</i> used as shipping tags from Ditch SD 5100 | 149 |
| 23 | Tax classes and types of goods indicated on <i>mokkan</i> used as shipping tags from Ditches SD 5300 and SD 5310 | 150 |
| 24 | Sexagenary cycle dates of documentary <i>mokkan</i> from Ditch SD 5100..... | 153 |
| 25 | Sexagenary cycle dates of documentary <i>mokkan</i> from Ditch SD 5300..... | 153 |
| 26 | Sexagenary cycle dates of documentary <i>mokkan</i> from Ditch SD 5310..... | 153 |
| 27 | Sexagenary cycle dates of <i>mokkan</i> used as shipping tags from Ditch SD 5100 | 154 |
| 28 | Sexagenary cycle dates of <i>mokkan</i> used as shipping tags from Ditch SD 5300 | 154 |
| 29 | Sexagenary cycle dates of <i>mokkan</i> used as shipping tags from Ditch SD 5310 | 154 |
| 30 | Classification of round roof tiles | 201 |
| 31 | Measurements of round roof tiles | 201 |
| 32 | Measurements of flat roof tiles | 204 |
| 33 | Classification of bricks | 207 |
| 34 | Haji ware from Ditches SD 5300and SD 5310, by vessel type | 250 |
| 35 | Sue ware from Ditches SD 5300and SD 5310, by vessel type | 254 |
| 36 | Features yielding clay horse figurines and numbers recovered | 287 |

| | | |
|----|---|-----|
| 37 | Relative amounts of wooden implements types recovered from Ditch SD 4750 | 290 |
| 38 | Dimensions of hollowed-out wooden boxes | 296 |
| 39 | Wooden implements from Ditches SD 4699 and SD 5021, by excavation number | 298 |
| 40 | Measurements of narrow planks from Ditch SD 5100 | 323 |
| 41 | Measurements of sticks from Ditch SD 5100 | 323 |
| 42 | Numbers of coins recovered, by structural feature | 341 |
| 43 | Numbers of metal objects recovered, by structural feature | 344 |
| 44 | Amounts of clay objects related to smithing and casting processes, and of glass and related objects | 352 |
| 45 | Gross amounts of natural items recovered from wells and pits | 358 |
| 46 | Amounts of plant remains recovered from Ditch SD 4750, by grid section | 361 |
| 47 | Amounts of plant remains recovered from Ditch SD 5100, by grid section | 361 |
| 48 | Amounts of plant remains recovered from Ditch SD 5300, by grid section | 361 |
| 49 | Total amounts of plant remains recovered from Ditch SD 5310 | 361 |
| 50 | Incidences of characters for “Palace” (宮) and “August Presence” (御所) on wooden tablets | 365 |
| 51 | Numbers of clerks and their ranks | 367 |
| 52 | <i>Mokkan</i> issued by Prince Nagaya’s upper household administrative staff | 372 |
| 53 | Stipend received by Prince Takechi | 383 |
| 54 | Stipend received by Prince Nagaya | 386 |
| 55 | Prince Nagaya’s household administration | 388 |
| 56 | Offices of Prince Nagaya’s household administration located outside the estate | 391 |
| 57 | Province, county, and village names given on <i>mokkan</i> used as shipping tags, plus tax class and tribute items | 399 |
| 58 | Abbreviated personal history of Prince Nagaya | 401 |
| 59 | Prince Nagaya’s salon (social network) | 403 |
| 60 | Guard duty assignments and numbers of <i>mokkan</i> specifying assignments for gates and other locales | 411 |
| 61 | Numbers of persons assigned guard duty for gates and other locales | 413 |
| 62 | Persons involved in the household administration of Fujiwara Maro (Part 1) | 421 |
| 63 | Persons involved in the household administration of Fujiwara Maro (Part 2) | 421 |
| 64 | <i>Mokkan</i> from the Second Street cache relating to the imperial procession to Yoshino | 426 |
| 65 | Incidences of the character “内”seen in the Second Street cache of mokkan | 430 |
| 66 | Chronology of events related to the Empress’s Palace | 439 |
| 67 | Distribution of <i>mokkan</i> relating to palace guards and ink-inscribed pottery | 441 |
| 68 | Distribution of major finds of <i>mokkan</i> used as shipping tags | 443 |

| | | |
|----|---|-----|
| 69 | Distribution of <i>mokkan</i> relating to the household administration of Fujiwara Maro | 445 |
| 70 | Provenances of same-mold tiles known for eave tile Types 6272-6644 | 459 |
| 71 | Eave tiles Types from Ditches SD 5100, SD 5300, and SD 5310 | 462 |
| 72 | Periodization of eave tile Types | 468 |
| 73 | Composition of pottery assemblage from Ditch SD 4750 and Well SE 4770 | 487 |
| 74 | Geographic survey coordinates of street and avenue features | 498 |
| 75 | Geographic survey coordinates of reconstructed grid of streets and avenues | 500 |
| 76 | Structure of floor support posts | 523 |
| 77 | Macroscopic floral remains (Chart 1) | 544 |
| 78 | Macroscopic floral remains (Chart 2) | 545 |
| 79 | Seed and fruit remains from center of Ditch SD 5100 | 560 |
| 80 | Seed and fruit remains from Ditch SD 5300 | 561 |
| 81 | Insect remains from Ditches SD 5100 and SD 5300 | 572 |
| 82 | Faunal remains, by structural feature | 574 |
| 83 | Species names of faunal remains | 576 |
| 84 | Non-destructive electron probe microanalysis | 578 |

FIGURES

Figure

| | | |
|----|--|----|
| 1 | Map of the excavations and excavation units | 7 |
| 2 | Location of the site | 11 |
| 3 | Map of the grid system | 16 |
| 4 | Features of Excavation no. 178 | 27 |
| 5 | Features of Excavation no. 184 | 31 |
| 6 | Features of Excavation no. 186 (North, North II, Supplementary Sectors) | 34 |
| 7 | Features of Excavation no. 186 (West, West II Sectors) and Excavation no. 118-15 | 37 |
| 8 | Features of Excavation no. 190 | 39 |
| 9 | Features of Excavation no. 193 (A, B, D-F Sectors) | 41 |
| 10 | Features of Excavation no. 193 (B, C Sectors) and Excavation no. 200 | 43 |
| 11 | Features of Excavation no. 195 (North, South Sectors) | 46 |
| 12 | Features of Excavation no. 197 | 47 |
| 13 | Features of Excavations nos. 198, 123-26, 202-13, 223-13 | 49 |
| 14 | Features of Excavation no. 204 and Nara City Excavation no. 156 | 53 |
| 15 | Topographic map of the site and surrounding | 55 |
| 16 | Former course of the Komo River | 56 |
| 17 | Reconstruction of the site topography prior to construction of the Nara Capital | 57 |

| | | |
|----|--|-----|
| 18 | Reconstruction of the site topography after construction of the Nara Capital | 58 |
| 19 | Relative chronology of Ditches SD 4699, SD 5021, SD 5240, and SD 5300 | 71 |
| 20 | Strata of Ditch SD 5240 | 72 |
| 21 | Changes in the gutters lining intra-ward roads of East Second Ward on Second Street | 73 |
| 22 | Strata of Ditches SD 5100 (left) and SD 5300 (right) | 74 |
| 23 | Strata of Ditch SD 4699 | 75 |
| 24 | Schematic map of the relationship between Building SB 4220 and Ditch SD 4231 | 77 |
| 25 | Relationships among internal dividing fences of the estate | 78 |
| 26 | Changes in internal dividing fences of the estate | 78 |
| 27 | Cross-section of the western posthole of Building SB 5090 | 80 |
| 28 | Strata of Ditch SD 5094 | 80 |
| 29 | Relationship between Buildings SA 4420 and SB 4301 | 81 |
| 30 | Cross-section of a posthole of Building SB 4500 | 81 |
| 31 | Cross-section of postholes of Building SB 4480 | 82 |
| 32 | Post hole and foundation boards of Building SB 4490 | 83 |
| 33 | Cross-section of a hole for holding a cooking vessel, Pit SX 4965 | 86 |
| 34 | Strata of Ditch SD 4750 | 86 |
| 35 | Post hole and foundation board of Building SB 4300 | 89 |
| 36 | Post holes of Building SB 4740, and their relationship with the fill from the second phase of work and with the block boundary street gutters | 91 |
| 37 | Plan of Culvert SX 4555B | 104 |
| 38 | Strata of Ditch SD 5230, the moat of the aristocratic estate | 121 |
| 39 | Strata of Ditch SD 4411, the moat of the aristocratic estate | 121 |
| 40 | Reconstruction of the aristocratic estate | 122 |
| 41 | Cross-section of post holes of Building SB 5313 | 124 |
| 42 | Plan of Culvert SX 5336 | 126 |
| 43 | Plans of Culverts SX 5034 and SX 5035 | 127 |
| 44 | Temporal relationship of Ditches SD 5031 and SD 5033, and Culvert SX 5035 | 127 |
| 45 | Post holes and foundation boards of Building SB 5250 and Corridor SC 5290 | 128 |
| 46 | Post hole and foundation boards of Building SB 5385 | 129 |
| 47 | Post hole and foundation boards of Building SB 5386 | 129 |
| 48 | Locations of features yielding <i>mokkan</i> | 133 |
| 49 | Grid location of Ditch SD 4750 | 138 |
| 50 | Grid locations of Ditches SD 5100, SD 5300, and SD 5310 | 144 |
| 51 | Scatter plot of round tile dimensions | 202 |
| 52 | Scatter plot of flat tile dimensions | 205 |
| 53 | Etched and ink inscribed pottery, and clay objects from Ditch SD 4750 | 215 |

| | | |
|----|--|-----|
| 54 | Scatter plot of dimensions of Haji table ware and cooking utensils from Ditch SD 5100 | 221 |
| 55 | Haji table ware (exclusive of Groups I and II) from Ditch SD 5100 | 227 |
| 56 | Scatter plot of Sue table ware from Ditch SD 5100 | 235 |
| 57 | Scatter plot of Haji table ware from Ditches SD 5300 and SD 5310 | 249 |
| 58 | Scatter plot of Sue table ware from Ditches SD 5300 and SD 5310 | 253 |
| 59 | Pottery from Ditch SD 5240 | 260 |
| 60 | Smoked Haji ware from Ditch SD 4699 | 261 |
| 61 | T'ang three-colored glazed bowl | 278 |
| 62 | Pots with ink-drawn human faces | 278 |
| 63 | Assemblage of etched inscriptions and stamped pottery | 280 |
| 64 | Rare bird-shaped inkstone | 284 |
| 65 | Clay horse figurines | 288 |
| 66 | Clay net sinkers and clay beads | 289 |
| 67 | Clay spindle whorls | 289 |
| 68 | Locations and amounts of wooden objects recovered from Ditches SD 4699 and SD 5021 | 299 |
| 69 | Amounts of wooden implements and charcoal from Ditch SD 5100, by grid section | 305 |
| 70 | Amounts of wooden implements and charcoal from Ditch SD 5300, by grid section | 324 |
| 71 | Provenances of wooden implements recovered from wells, post holes, and other features | 339 |
| 72 | Features yielding coins | 342 |
| 73 | Features yielding metal objects | 345 |
| 74 | Features yielding materials used in smithing and casting, glass and related items | 353 |
| 75 | Stone tools from the Yayoi or earlier periods | 357 |
| 76 | Kin relations of Prince Nagaya's family | 366 |
| 77 | Movement of goods as indicated by <i>mokkan</i> | 369 |
| 78 | Changes in flat eave tile Type 6644 | 456 |
| 79 | Mold blemishes of round eave tile Types 6272-A and 6272-B | 457 |
| 80 | Provenances of same-mold tiles known for eave Types 6272 and 6644 | 459 |
| 81 | Changes in the numbers of papillae and in the design of the antefix of round eave tile Type 6721 | 464 |
| 82 | Amounts of eave tile supplied, by period | 470 |
| 83 | Provenances of eave tiles for site Phases A, a (tile Phase I), Part 1 | 471 |
| 84 | Provenances of eave tiles for site Phases A, a (tile Phase I), Part 2 | 472 |
| 85 | Provenances of eave tiles for site Phases B, b (tile Phase II-1), Part 1 | 472 |
| 86 | Provenances of eave tiles for site Phases B, b (tile Phase II-1), Part 2 | 473 |
| 87 | Provenances of eave tiles for site Phases C, c (tile Phase II-2), Part 1 | 475 |

| | | |
|-----|---|-----|
| 88 | Provenances of eave tiles for site Phases C, c (tile Phase II-2), Part 2 | 476 |
| 89 | Provenances of eave tiles for site Phases C, c (tile Phase II-2), Part 3 | 477 |
| 90 | Provenances of eave tiles for site Phases D, d (tile Phase III-1) | 479 |
| 91 | Provenances of eave tiles for site Phases E, e (tile Phase III-2) | 480 |
| 92 | Provenances of eave tiles for site Phases E, e (tile Phase IV)..... | 480 |
| 93 | Pottery from Miyamachi Site, Shiga Prefecture | 483 |
| 94 | Pottery from Pit SK 2001, Block 14 of West First Ward on Eighth Street, and the Maekawa Site..... | 485 |
| 95 | Scatter plot of dimensions of pottery from Ditch SD 4750 | 491 |
| 96 | Locations of city street grid features | 498 |
| 97 | Reconstruction of the street grid for Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and Block 5 of Second Ward on Second Street | 500 |
| 98 | Estate divisions of Phases A and B for Blocks 1, 2, 7, and 8 of Second Ward on Third Street | 503 |
| 99 | Layout of buildings from Phase A for Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and the degree of fit with a 9 <i>shaku</i> grid | 504 |
| 100 | Layout of buildings from Phase A for Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and the degree of fit with a 10 <i>shaku</i> grid | 505 |
| 101 | Layout of buildings from Phase D for Blocks 1, 2, 7, and 8 of Second Ward on Third Street | 506 |
| 102 | Layout of buildings from Phase c for Block 5 of Second Ward on Second Street | 507 |
| 103 | Layout of buildings from Phase f for Block 5 of Second Ward on Second Street | 507 |
| 104 | Features (Phases A, a) of Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and Block 5 of Second Ward on Second Street | 509 |
| 105 | Features (Phases B, b) of Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and Block 5 of Second Ward on Second Street | 511 |
| 106 | Features (Phases C, c) of Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and Block 5 of Second Ward on Second Street | 513 |
| 107 | Features (Phases D, d) of Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and Block 5 of Second Ward on Second Street | 515 |
| 108 | Features (Phases E, e) of Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and Block 5 of Second Ward on Second Street | 517 |
| 109 | Features (Phases F, f) of Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and Block 5 of Second Ward on Second Street | 518 |
| 110 | Features (Phases G, g) of Blocks 1, 2, 7, and 8 of Second Ward on Third Street, and Block 5 of Second Ward on Second Street | 519 |
| 111 | Internal divisions of Block 7 for Phases F and G | 520 |
| 112 | Model of features from Phase A1 of Block 15, East Second Ward on Third Street | 522 |

| | | |
|-----|--|-----|
| 113 | Examples of buildings similar to Building SB 4500 | 522 |
| 114 | Hearth SX 4495..... | 527 |
| 115 | Hearth SX 14761 from the Nara Palace | 527 |
| 116 | Layout of a reconstructed model of Prince Nagaya's Mansion | 538 |
| 117 | Plan of reconstruction of Building SB 4300 of Prince Nagaya's Mansion | 539 |
| 118 | Reconstruction of Building SB 4500 of Prince Nagaya's Mansion, Plan 1 | 540 |
| 119 | Reconstruction of Building SB 4500 of Prince Nagaya's Mansion, Plan 2 | 541 |
| 120 | Reconstruction of Building SB 4680 of Prince Nagaya's Mansion | 542 |
| 121 | Macroscopic floral remains, by location..... | 547 |
| 122 | Variation in plum pits | 549 |
| 123 | Variation in peach pits | 549 |
| 124 | Variation in jujube pits | 550 |
| 125 | Pollen profiles of Ditch SD 5100 | 555 |
| 126 | Pollen and parasite eggs from Ditch SD 5100..... | 555 |
| 127 | Pollen composition of Ditch SD 5300 | 556 |
| 128 | Pollen and parasite eggs from Ditch SD 5300..... | 556 |
| 129 | Pollen composition of Ditch SD 5240 | 556 |
| 130 | Pollen and parasite eggs from Ditch SD 5240..... | 556 |
| 131 | Pollen composition of Ditch SD 4699 | 556 |
| 132 | Pollen and parasite eggs from Ditch SD 4699..... | 556 |
| 133 | Tree ring pattern graphs of a foundation board and master chronology pattern graph | 565 |
| 134 | Tree rings and sourcing location of wood used for a votive horse effigy plaque | 566 |
| 135 | Parasite egg identifications | 567 |
| 136 | Parasite egg and pollen densities | 568 |
| 137 | Soil sample collection points | 569 |
| 138 | Reconstruction of the "Sluice edifice" (running-water toilet)..... | 569 |

Supplementary Volume (Illustrations)

PLANS

Plan

- 1 Location of main features of Blocks 1, 2, 7, and 8 of East Second Ward on Third Street
- 2 Mapping of the features
- 3 6AFI-R East Second Intra-ward Avenue and southeast portion of Block 7, East Second Ward on Third Street
- 4 6AFI-R Southern half of Block 7, East Second Ward on Third Street
- 5 6AFI-R Southern half of Block 7, East Second Ward on Third Street
- 6 6AFI-R Southern half of Block 7, East Second Ward on Third Street
- 7 6AFI-R Southern half of Blocks 2 and 7, East Second Ward on Third Street
- 8 6AFI-S East Second Intra-ward Avenue and eastern periphery of Block 7, East Second Ward on Third Street
- 9 6AFI-S Northern half of Block 7, East Second Ward on Third Street
- 10 6AFI-S Northern half of Block 7, East Second Ward on Third Street
- 11 6AFI-S Northern half of Block 7, East Second Ward on Third Street
- 12 6AFI-S Northern half of Blocks 2 and 7, East Second Ward on Third Street
- 13 6AFI-R/S Northern half of Blocks 2 and 7, East Second Ward on Third Street
- 14 6AFI-R/S Northern half of Block 2, East Second Ward on Third Street
- 15 6AFI-S Northern half of Block 2, East Second Ward on Third Street
- 16 6AFI-S/T East Second Intra-ward Avenue and eastern periphery of Blocks 7 and 8, East Second Ward on Third Street
- 17 6AFI-S/T Eastern periphery, Blocks 7 and 8, East Second Ward on Third Street
- 18 6AFI-S/T Central portion, Blocks 7 and 8, East Second Ward on Third Street
- 19 6AFI-S/T Western periphery, Blocks 7 and 8, East Second Ward on Third Street
- 20 6AFI-S/T Intersection of Blocks 1, 2, 7, and 8, East Second Ward on Third Street
- 21 6AFI-S/T Intersection of Blocks 1, 2, 7, and 8, East Second Ward on Third Street
- 22 6AFI-S/T Central portion, Blocks 1 and 2, East Second Ward on Third Street
- 23 6AFI-S/T Central portion, Blocks 1 and 2, East Second Ward on Third Street
- 24 6AFI-T/U East Second Intra-ward Avenue and eastern periphery of Block 8, East Second Ward on Third Street
- 25 6AFI-T/U Central portion, Blocks 1 and 8, East Second Ward on Third Street
- 26 6AFI-T/U Central portion, Block 1, East Second Ward on Third Street
- 27 6AFI-T/U Central portion, Block 1, East Second Ward on Third Street
- 28 6AFI-U Second Street, East Second Intra-ward Avenue, and eastern periphery of Block 8, East Second Ward on Third Street

- 29 6AFI-U Second Street and northern periphery of Block 8, East Second Ward on Third Street
- 30 6AFI-U Second Street and northern periphery of Blocks 1 and 8, East Second Ward on Third Street
- 31 6AFI-U Second Street and northern periphery of Block 8, East Second Ward on Third Street
- 32 6AFI-U, 6AFF-J Second Street, East Second Intra-ward Avenue, and southeastern portion of Block 5, East Second Ward on Second Street
- 33 6AFI-U, 6AFF-J Second Street and southern periphery of Block 5, East Second Ward on Second Street
- 34 6AFI-U, 6AFF-J Second Street and southern periphery of Block 5, East Second Ward on Second Street
- 35 6AFF-J/K East Second Intra-ward Avenue and eastern periphery of Block 5, East Second Ward on Second Street
- 36 6AFF-J/K Central portion, Block 5, East Second Ward on Second Street
- 37 6AFF-J Northern gutter of Second Street, western gutter of East Second Intra-ward Avenue, and bridge over Second Street
- 38 6AFI-R/S Plan 1 of well located in Block 7, East Second Ward on Third Street
- 39 6AFI-R/S Plan 2 of well located in Block 7, East Second Ward on Third Street
- 40 6AFI-R/S Plan 3 of well located in Block 7, East Second Ward on Third Street
- 41 6AFI-R/S Plan 4 of well located in Block 7, East Second Ward on Third Street
- 42 6AFI-T/U Well located in Block 8, East Second Ward on Third Street
- 43 6AFI-S Wells located in Blocks 1, 2, East Second Ward on Third Street
- 44 6AFI-T/U, 6AFF-J Wells located in Block 5, East Second Ward on Second Street, and Block 1, Second Ward on Third Street
- 45 Topography and landscaping at the time of the construction of Nara Capital
- 46-58 Round eave tiles
- 59-73 Flat eave tiles
- 74-75 Round tiles
- 76-79 Flat tiles
- 80 Ridge and gap-filler tiles
- 81 Ridge-end tiles
- 82 Bricks
- 83 Unusual bricks, re-utilized tiles, ink-inscribed and incised tiles
- 84 Glazed tiles
- 85-90 Haji ware from Ditch SD 4750
- 91-94 Sue ware from Ditch SD 4750
- 95 Pottery from Well 4770

- 96 Pottery from Well SE 4366 and Pit SK 4429
97 Pottery with ink drawing from Well SE 4366
98-108 Haji ware from Ditch SD 5100
109-124 Sue ware from Ditch SD 5100
125-135 Ink-inscribed pottery from Ditch SD 5100
136-139 Haji ware from Ditches SD 5300 and SD 5310
140-143 Sue ware from Ditches SD 5300 and SD 5310
144-146 Ink-inscribed pottery from Ditches SD 5300 and SD 5310
147 Pottery from block-boundary roads
148-158 Pottery from wells
159-161 Ink-inscribed pottery from East Second Ward and other locales
162 Ink-inscribed and incised pottery from East Second Ward and other locales
163 Ceramic miniatures and three-colored glazed pottery from Ditch SD 5100 and other locales
164-166 Stoneware inkstones from Ditch SD 5100 and other locales
167-174 Wooden implements from Ditch SD 4750
175-183 Wooden implements from Ditches SD 4699 and SD 5021
184-208 Wooden implements from Ditch SD 5100
209-220 Wooden implements from Ditch 5300
221 Wooden implements from Ditches SD 5310 and SD 5240
222-223 Rubbings of coins
224-225 Metal objects
226 Clay objects associated with smithing, casting, and glass manufacture
227-228 Worked stone objects

SUPPLEMENTARY PLANS (In envelope inside back cover)

- 1 Features of Block 5, East Second Ward on Second Street, and Blocks 1, 2, 7, and 8, East Second Ward on Third Street
- 2 Features from East Second Ward on Second Street and East Second Ward on Third Street

COLOR PHOTOGRAPHS

Photo

- 1 (top) Main Hall SB 4500 of Prince Nagaya's Mansion
- (bottom) Ditch SD 4750, which yielded wooden tablets from Prince Nagaya's household
- 2 (top) North Block-boundary Street SF 4750 and buildings in Blocks 1 and 2, East Second Ward on Third Street
- (bottom) Moat-like feature, Ditch SD 5300, and Second Street northern gutter SD 5240
- 3 Wooden tablets from the Prince Nagaya's Mansion and Second Street caches
- 4 Votive horse effigy plaque (from Ditch SD 5300)
- 5 Ink drawing of a landscape with a human figure and pavilion, on the bottom portion of a wooden tray (from Ditch SD 5300)
- 6 Glazed tiles
- 7 (top) Haji ware with drawing of a monkey (from Well SE 4366)
- (bottom) Glazed pottery
- 8 (top) Lacquered cloth crown (from Ditch SD 4699)
- (bottom) Eight-lobed mirror with double phoenix and auspicious cloud design (from Ditch SD 5240)
- 9 Pollen from Ditch SD 5100
- 10 Pollen and parasite eggs from Ditch SD 5100

MONOCHROME PHOTOGRAPHS

Photo

- 1 Panorama of excavated area
- 2 6AFI-R East Second Intra-ward Avenue and southeast portion of Block 7, East Second Ward on Third Street
- 3 6AFI-R Southern half of Block 7, East Second Ward on Third Street
- 4 6AFI-R Southern half of Block 7, East Second Ward on Third Street
- 5 6AFI-R Southern half of Block 7, East Second Ward on Third Street
- 6 6AFI-R Southern half of Blocks 2 and 7, East Second Ward on Third Street
- 7 6AFI-R/S East Second Intra-ward Avenue and eastern periphery of Block 7, East Second Ward on Third Street
- 8 6AFI-S Northern half of Block 7, East Second Ward on Third Street
- 9 6AFI-S Northern half of Block 7, East Second Ward on Third Street

| | | |
|-------|----------|--|
| 10 | 6AFI-S | Northern half of Block 7, East Second Ward on Third Street |
| 11 | 6AFI-S | Northern half of Blocks 2 and 7, East Second Ward on Third Street |
| 12 | 6AFI-S | Northern half of Blocks 2 and 7, East Second Ward on Third Street |
| 13 | 6AFI-S | Northern half of Block 2, East Second Ward on Third Street |
| 14 | 6AFI-S | Northern half of Block 2, East Second Ward on Third Street |
| 15 | 6AFI-S/T | East Second Intra-ward Avenue and eastern periphery of Blocks 7 and 8, East Second Ward on Third Street |
| 16 | 6AFI-S/T | Eastern periphery, Blocks 7 and 8, East Second Ward on Third Street |
| 17 | 6AFI-S/T | Central portion, Blocks 7 and 8, East Second Ward on Third Street |
| 18 | 6AFI-S/T | Western periphery, Blocks 7 and 8, East Second Ward on Third Street |
| 19 | 6AFI-S/T | Intersection of Blocks 1, 2, 7, and 8, East Second Ward on Third Street |
| 20 | 6AFI-S/T | Central portion, Blocks 1 and 2, East Second Ward on Third Street |
| 21 | 6AFI-S/T | Central portion, Blocks 1 and 2, East Second Ward on Third Street |
| 22 | 6AFI-T/U | Central portion, Blocks 1 and 8, East Second Ward on Third Street |
| 23 | 6AFI-T/U | Central portion, Block 1, East Second Ward on Third Street |
| 24 | 6AFI-T/U | Central portion, Block 1, East Second Ward on Third Street |
| 25 | 6AFI-U | Second Street and northern periphery of Blocks 1 and 8, East Second Ward on Third Street |
| 26 | 6AFI-U | Second Street and northern periphery of Block 1, East Second Ward on Third Street |
| 27 | 6AFI-T/U | East Second Intra-ward Avenue and eastern periphery of Block 8, East Second Ward on Third Street |
| 28 | 6AFI-U | Second Street, East Second Intra-ward Avenue, eastern periphery of Block 8, East Second Ward on Third Street, and southern periphery of Block 5, East Second Ward on Second Street |
| 29 | 6AFF-J/K | Second Street and southeast portion of Block 5, East Second Ward on Second Street |
| 30 | 6AFF-J | Second Street and southern portion of Block 5, East Second Ward on Second Street |
| 31 | 6AFF-J/K | Central portion of Block 5, East Second Ward on Second Street |
| 32-35 | 6AFI-R | Area of Excavation no. 178 |
| 36 | 6AFI-R/S | Area of Excavations no. 103-1 and 141-35 |
| 37-42 | 6AFI-S | Area of Excavation no. 184 |
| 43-47 | 6AFI-S/T | Area of Excavation no. 186 |
| 48 | 6AFI-R/S | Area of Excavations no. 186 and 118-13 |
| 49-51 | 6AFI-S/T | Area of Excavation no. 190 |

| | | |
|---------|------------------|---|
| 52-57 | 6AFI-R/ S/T/U | Area of Excavation no. 193 |
| 58-59 | 6AFI-T/U | Area of Excavation no. 195 |
| 60-62 | 6AFI-T/U | Area of Excavation no. 197 |
| 63-66 | 6AFF-J/K | Area of Excavation no. 198 |
| 67 | 6AFF-J | Area of Excavation no. 202-13 |
| 68 | 6AFF-J/K | Area of Excavation no. 202-13 and 223-13 |
| 69 | 6AFI-U | Area of Excavation no. 200 |
| 70-71 | 6AFF-J/K | Area of Excavation no. 204 |
| 72 | 6AFI, 6AFF | Posts and foundation boards |
| 73-74 | 6AFI-R | Wells from Excavation no. 178 |
| 75-76 | 6AFI-S | Wells from Excavation no. 184 |
| 77-78 | 6AFI-S/T | Wells from Excavation no. 186 |
| 79 | 6AFI-S/ T/U | Wells from Excavations no. 190 and 193 |
| 80 | 6AFI-T 6AFF-J | Wells from Excavations no. 195, 197, and 204 |
| 81 | | Topography of region around excavation site (1994) |
| 82-103 | | Wooden tablets |
| 104 | | Principal combinations of eave tiles |
| 105-132 | | Round eave tiles |
| 133-156 | | Flat eave tiles |
| 157 | | Unusual and re-utilized tiles, ink-inscribed and incised tiles |
| 158-161 | | Haji ware from Ditch SD 4750 |
| 162-164 | | Sue ware from Ditch SD 4750 |
| 165 | | Sue ware from Wells SE 4750 and 4770 |
| 166 | | Haji ware from Well SE 4770 |
| 167 | | Pottery from Well SE 4366 and Pit SK 4429 |
| 168 | | Pottery with ink drawings and incised pottery from Ditch SD 4750 |
| 169-170 | | Pottery with ink drawings from Well SE 4366 |
| 171 | | Manufacturing techniques of Haji ware from Ditch SD 4750 |
| 172-185 | | Haji ware from Ditch SD 5100 |
| 186-205 | | Sue ware from Ditch SD 5100 |
| 206 | | Sue ware and Nara three-colored glazed pottery from Ditch SD 5100 |
| 207-212 | | Ink-inscribed pottery from Ditch SD 5100 |
| 213-215 | | Ink-inscribed pottery from East Second Ward and other locales |
| 216 | | Stoneware inkstones from Ditch SD 5100 and other locales |

- 217-219 Haji ware from Ditches SD 5300 and SD 5310
- 220-224 Sue ware from Ditches SD 5300 and SD 5310
- 225-226 Ink-inscribed pottery from Ditches SD 5300 and SD 5310
- 227-235 Pottery from wells
- 236 Clay objects
- 237-244 Wooden implements from Ditch SD 4750
- 245-254 Wooden implements from Ditch SD 4699 and other locales
- 255-264 Wooden implements from Ditch SD 5100
- 265 Wooden implements from Ditches SD 5100 and SD 5300
- 266-271 Wooden implements from Ditch 5300
- 272-273 Coins
- 274-275 Metal objects
- 276 Clay objects associated with smithing and casting
- 277 Clay objects and other materials associated with smithing, casting, and glass manufacture
- 278 Nara period worked stone objects
- 279 Stone tools from Yayoi or earlier periods
- 280 Historic markers for Prince Nagaya's Mansion
- 281 Model of Prince Nagaya's Mansion, made in Fiscal Year 1990
- 282-283 Seeds from Ditch SD 5100
- 284 Seeds from Ditches SD 5100, SD 5300, and other locales
- 285 Insect remains from Ditch SD 5100
- 286 Insect remains from Ditches SD 5100, SD 5300, and other locales