

A piece
for Recorder
Tape by Vladimir A. Ussachevsky
March, 1956.

NOTE ON METHOD OF NOTATION

Durations

This score represents a musical transcription of sounds on four tracks of magnetic tape (Each indicated by a Roman Numeral) used in the final mixing to obtain the composition. In this respect it is similar to a conventional 4-line score; however, the difference lies in the flexible interpretation of conventional symbols resulting from calculating durations in terms of seconds, the expedient necessitated by characteristic flexibility of time units in individual lines. Frequently, therefore, an entire phrase is clocked with a stop-watch and notated as accurately as possible within the proper time-space, without an attempt to establish precisely the relative value of each note to an overall common denominator. Throughout the piece the latter, however, is roughly one whole note for each one second. In some cases where the length of sound exceeds 20 seconds, the beginning of it is indicated by O., and the end by o.. The absence of the above, or any other symbol indicates silence.

Pitch

Many sounds used in this score are rich in harmonics and the pitches indicated are frequently only of the predominant pitch impression. This latter, however, is indicated in the proper range as accurately as possible, and, on the whole, with a far closer pitch approximation than is customarily used in describing gong, cymbal and drum pitches in the percussion part of an orchestral score.

Dynamics

A decibel scale of dynamics is used in addition to the usual musical dynamic marks to indicate accurate intensity. The Arabic Numerals throughout the score refer to the number of seconds from the beginning, and each measure, suggested by the small, regular dividing marks, is calculated in terms of one second duration. Thus all the entrances and cessations of sounds are very precisely indicated.

Letter Symbols Describing the Sounds

Each component of a descriptive symbol is set apart by a semicolon. the letter or group of letters preceding a semi-colon refers to the origin or character of a sound, the latter or two hyphenated letters following the semi-colon describe the manner of bringing the sound into being. The third letter describes additional modification of sounds.

Reverberated	R
Metallic, soft-struck	M; s-s
Metallic, hard-struck	M; h-s
Percussion	pr.
Electronic sound	El
Electronic tone-cluster	Etn clst
Electronic treatment	el
Piano	P
Middle of a note	> <
Roll and tremolo	~~~
Oscillator	Osa.
Organ	O.
Wind	W. ~~~~~

A piece for TAPE-Recorder.

by Vladimir A.
Ussachevsky
1956

Handwritten musical score for four tape recorders (I, II, III, IV) on five-line staves. The score consists of three systems.

- System 1:** Starts with dynamic P . Includes markings like $-3-$, $3006.$, and $M: S$.
- System 2:** Starts with dynamic P . Includes markings like 2000 , $3006.$, and $2506.$
- System 3:** Starts with dynamic 4500 . Includes markings like $M: S$, $mp 2000$, and $mf 3000$.

M: S-S

I:

II:

III:

IV:

mp 200b. Mpr > s; s-s; bd 250b mf

El.; A; R. El.; R.

mp 200b (very undulating sound)

M: L-S.R. 200b

b2 b2

200b

65 $\frac{1}{2}$ o. M: h-s; R.

150b

75 $\frac{1}{2}$ o. El. t-n-s. 200b.

El.; R. pp 50b.

4

M:bs; R. 27 28 29 30 31 *gliss.*

1:

2:

3:

4:

5:

6:

7:

8:

9:

10:

11:

12:

13:

14:

15:

16:

17:

18:

19:

20:

21:

22:

23:

24:

25:

26:

27:

28:

29:

30:

31:

P. el. { f 4000.

M:bs:

106 106 3/5 107

108 110 110

f 4000

Mits, R.

Wishwa

m: 1000b

120 123 125 128 129 139 141 150 154 155

El wdi 80°

s 4000b.
1 1/15 sec.

O. 10

mp 150b

P. > <

P. ol

30 sec.

pp

f

p

tr.

P.

3/5

I: $\frac{5}{9}$ 1500

II: $\frac{5}{9}$

III: $\frac{5}{9}$ 300

IV: $\frac{5}{9}$

P. sol 3/5

mf 300

156 157 162 163

103 104 105 106

108 110 112 113

114 115 116 117

118 119 120 121

Wind M. 4-5 122

El. trac. 123 124 125

mp 200

180 181 182 183

184 185 186 187

188 189 190 191

192 193 194 195

196 197 198 199

199 200 201 202

203 204 205 206

207 208 209 210

211 212 213 214

215 216 217 218

219 220 221 222

223 224 225 226

227 228 229 230

231 232 233 234

235 236 237 238

239 240 241 242

243 244 245 246

247 248 249 250

251 252 253 254

255 256 257 258

259 260 261 262

263 264 265 266

267 268 269 270

271 272 273 274

275 276 277 278

279 280 281 282

283 284 285 286

287 288 289 290

291 292 293 294

295 296 297 298

299 300 301 302

303 304 305 306

307 308 309 310

311 312 313 314

315 316 317 318

319 320 321 322

323 324 325 326

327 328 329 330

331 332 333 334

335 336 337 338

339 340 341 342

343 344 345 346

347 348 349 350

351 352 353 354

355 356 357 358

359 360 361 362

363 364 365 366

367 368 369 370

371 372 373 374

375 376 377 378

379 380 381 382

383 384 385 386

387 388 389 390

391 392 393 394

395 396 397 398

399 400 401 402

403 404 405 406

407 408 409 410

411 412 413 414

415 416 417 418

419 420 421 422

423 424 425 426

427 428 429 430

431 432 433 434

435 436 437 438

439 440 441 442

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519 520 521 522

523 524 525 526

527 528 529 530

531 532 533 534

535 536 537 538

539 540 541 542

543 544 545 546

547 548 549 550

551 552 553 554

555 556 557 558

559 560 561 562

563 564 565 566

567 568 569 570

571 572 573 574

575 576 577 578

579 580 581 582

583 584 585 586

587 588 589 590

591 592 593 594

595 596 597 598

599 600 601 602

603 604 605 606

607 608 609 610

611 612 613 614

615 616 617 618

619 620 621 622

623 624 625 626

627 628 629 630

631 632 633 634

635 636 637 638

639 640 641 642

643 644 645 646

647 648 649 650

651 652 653 654

655 656 657 658

659 660 661 662

663 664 665 666

667 668 669 670

671 672 673 674

675 676 677 678

679 680 681 682

683 684 685 686

687 688 689 690

691 692 693 694

695 696 697 698

699 700 701 702

703 704 705 706

707 708 709 710

711 712 713 714

715 716 717 718

719 720 721 722

723 724 725 726

727 728 729 730

731 732 733 734

735 736 737 738

739 740 741 742

743 744 745 746

747 748 749 750

751 752 753 754

755 756 757 758

759 760 761 762

763 764 765 766

767 768 769 770

771 772 773 774

775 776 777 778

779 780 781 782

783 784 785 786

787 788 789 790

791 792 793 794

795 796 797 798

799 800 801 802

803 804 805 806

807 808 809 810

811 812 813 814

815 816 817 818

819 820 821 822

823 824 825 826

827 828 829 830

831 832 833 834

835 836 837 838

839 840 841 842

843 844 845 846

847 848 849 850

851 852 853 854

855 856 857 858

859 860 861 862

863 864 865 866

867 868 869 870

871 872 873 874

875 876 877 878

879 880 881 882

883 884 885 886

887 888 889 890

891 892 893 894

895 896 897 898

899 900 901 902

903 904 905 906

907 908 909 910

911 912 913 914

915 916 917 918

919 920 921 922

923 924 925 926

927 928 929 930

931 932 933 934

935 936 937 938

939 940 941 942

943 944 945 946

947 948 949 950

951 952 953 954

955 956 957 958

959 960 961 962

963 964 965 966

967 968 969 970

971 972 973 974

975 976 977 978

979 980 981 982

983 984 985 986

987 988 989 990

991 992 993 994

995 996 997 998

999 1000 1001 1002

Osc.; wavering pitch

Wind. ~

M;h-s;R. f

Wind cont. ~

Osc. continues

Wind cont. ~

M;h-s;R. >

El;thclstg

<img alt="Handwritten musical score for four staves (I, II, III, IV) across four systems. Staff I: Treble clef, 'Wind.' wavy line, 'M;h-s;R. f' at 200'. Staff II: Treble clef, 'bb' 300 at 192', 400 at 200', 2500 at 2011'. Staff III: Treble clef, 'bb' 300 at 192', 800 at 1500'. Staff IV: Bass clef, 'bb' 300 at 192', 800 at 1500'. System 2: Staff I: Treble clef, 'Wind cont.' wavy line, 204', 205', 207', 208 95', 210 95', 213', 215'. Staff II: Treble clef, 'bb' 300 at 204', 800 at 205', 2500 at 207', 3500 at 208 95'. Staff III: Treble clef, 'bb' 300 at 204', 800 at 205', 2500 at 207', 3500 at 208 95'. Staff IV: Bass clef, 'bb' 300 at 204', 800 at 205', 3500 at 207'. System 3: Staff I: Treble clef, wavy line, 216', 220', 232', 226'. Staff II: Treble clef, 'bb' 300 at 216', 800 at 220', 2500 at 232', 3500 at 226'. Staff III: Treble clef, 'bb' 300 at 216', 800 at 220', 2500 at 232', 3500 at 226'. Staff IV: Bass clef, 'bb' 300 at 216', 800 at 220', 2500 at 232', 3500 at 226'. System 4: Staff I: Treble clef, 'Osc.; wavering pitch' wavy line, 228', 229', 232'. Staff II: Treble clef, 'bb' 300 at 228', 800 at 229', 2500 at 232'. Staff III: Treble clef, 'bb' 300 at 228', 800 at 229', 2500 at 232'. Staff IV: Treble clef, 'El;thclstg' wavy line, 'p 150b.' at 228', 'mf' at 330b.</p>

1

M:4-S:R

34 245. 247.

bb bb Mpr, s-s ff 450b 400b.

IV

I

M:4-S:4

232. 259. ff

Mpr, s-s ff

IV

18Db. 250b 18Db

I

Wind stops osc. 212.1.

264. 265. 270. 272. 273.

II

250b 250b

IV

200b -

I

G. RESUME Wind resume.

P, R, N 276. 278. 282. 285.

III

IV

9

M.

I

II

III

IV

2001

I

II

III

IV

303

P.A.R.

3001

3051

3071

III

IV

303

3030

mf 301b.

3506

EL.

321

3131

3161

3211

3231

I

II

III

IV

pp

2000

mp

pp

mf

I

II

324

3501

III

mp 2006.

II

100

ppp