

COHORT-COMPONENT PROJECTIONS

Summary

This module produces projections from user-supplied data or from a wide range of included figures. The projections may be printed or viewed as graphs or tables. The requirements are sets of assumptions about: initial age distributions (A) and trends through time (T). Age distributions and trends are established either by entering data or by generating values using inbuilt demographic models.

Instructions

A projection series is constructed by clicking each of the buttons in turn to set up the base population and the preferred assumptions about fertility, mortality and migration.

Below is a summary of the projection procedure. The buttons are repeated on each screen. More details are given at each step as well as in the book (Box 12.2, p.449).

		1 Opening display
Age distribution of the base population		2 Base population
Age pattern of fertility (ASFRs)		3 Fertility - age pattern
Trend in fertility through time (TFRs)		4 Fertility - trend
Age pattern of mortality (l_x values)		5 Mortality - age pattern
Trend in mortality, males (e_0 values)		6 Mortality - trend, males
Trend in mortality, females (e_0 values)		7 Mortality - trend, females
Age distribution of net migration		8 Net migration - age pattern
Trend in net migration (numbers)		9 Net migration - trend
Projected age distributions		10 Projections - age pyramids
Projected trends (numbers & rates)		11 Projections - trend

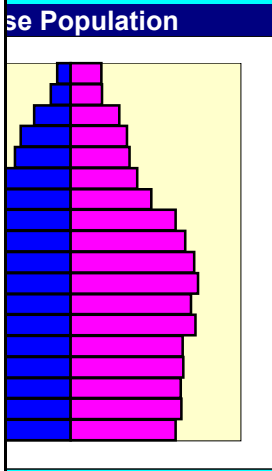
Demographic Methods and Concepts

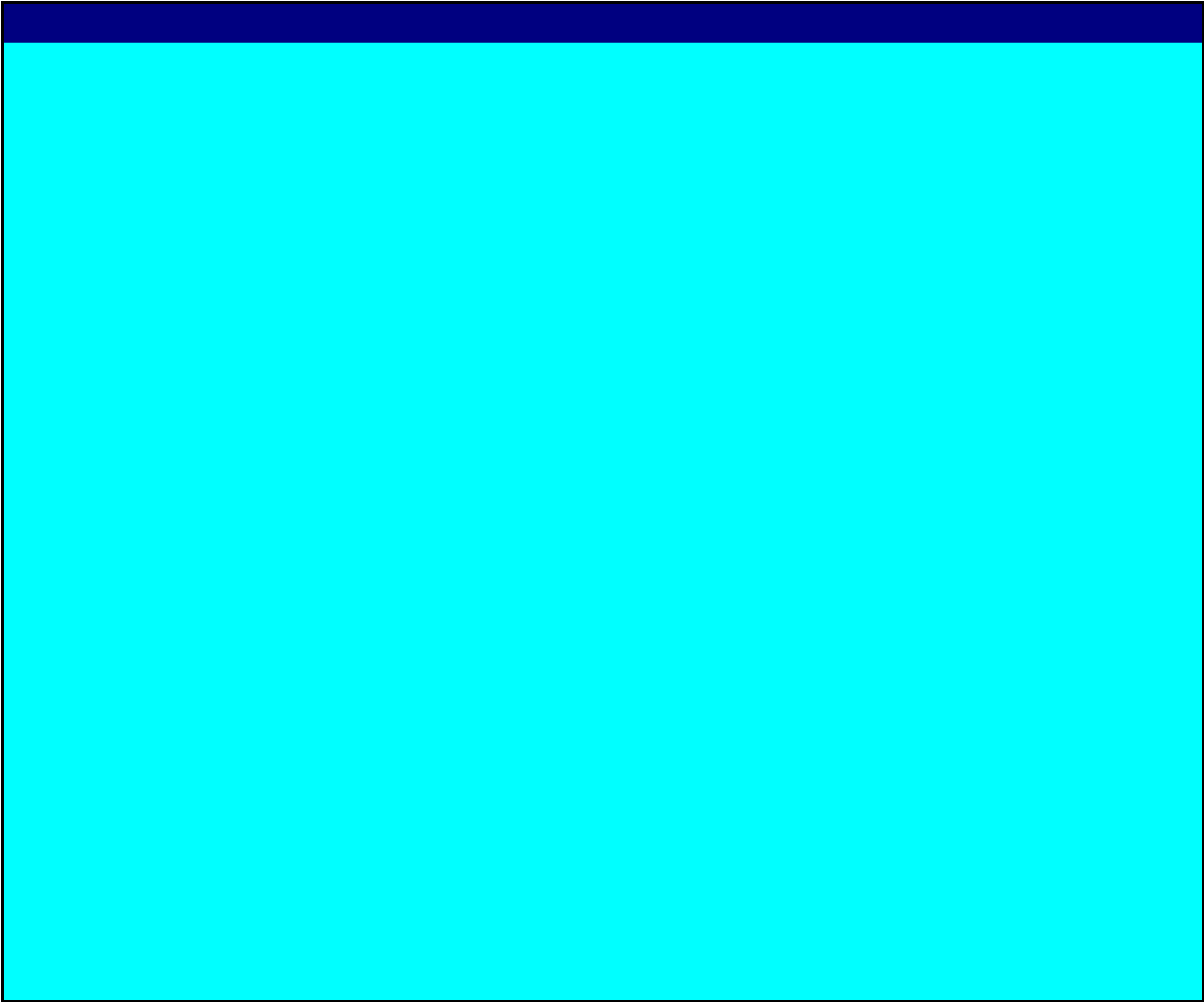
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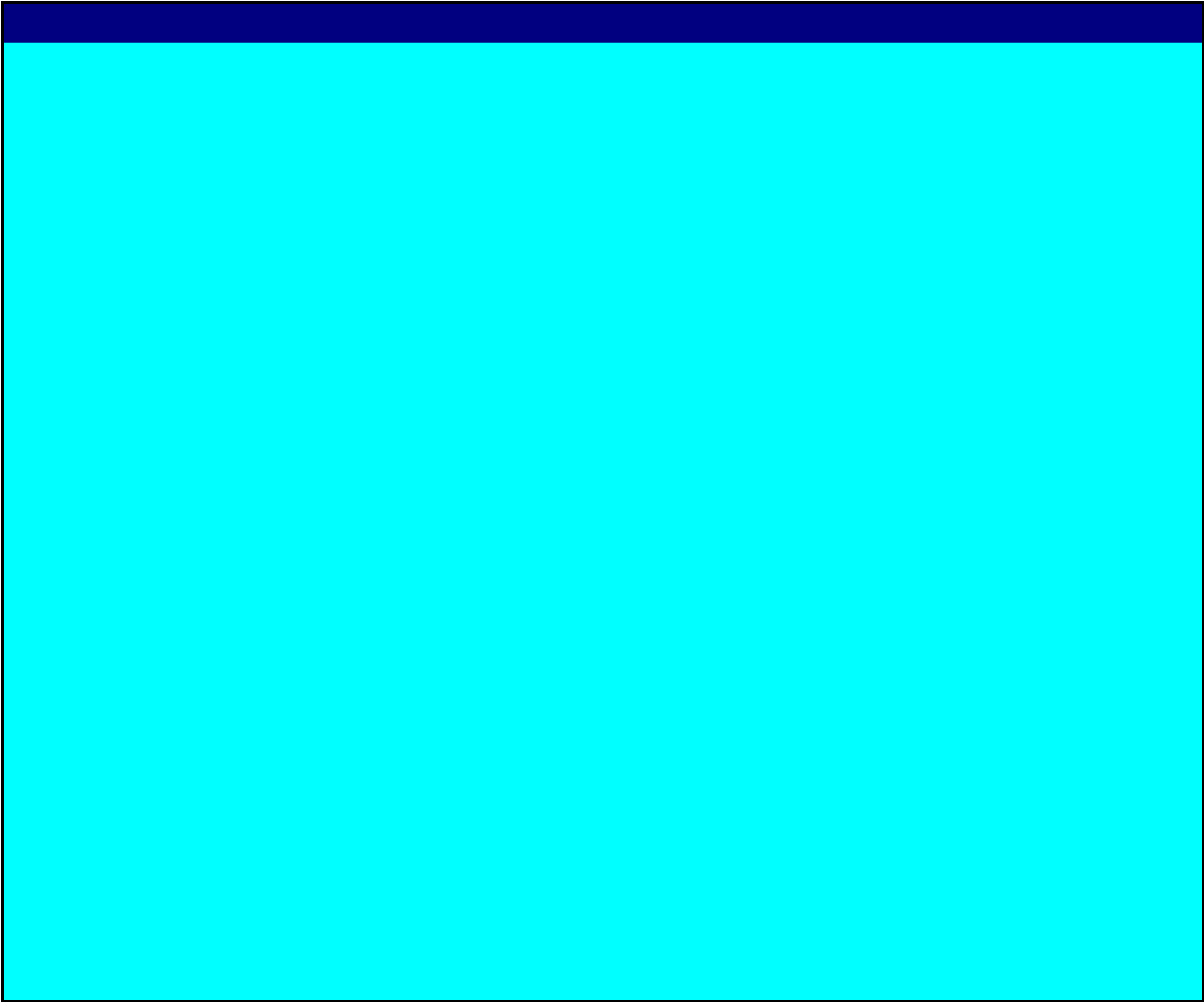
Age Structure of the Base Population

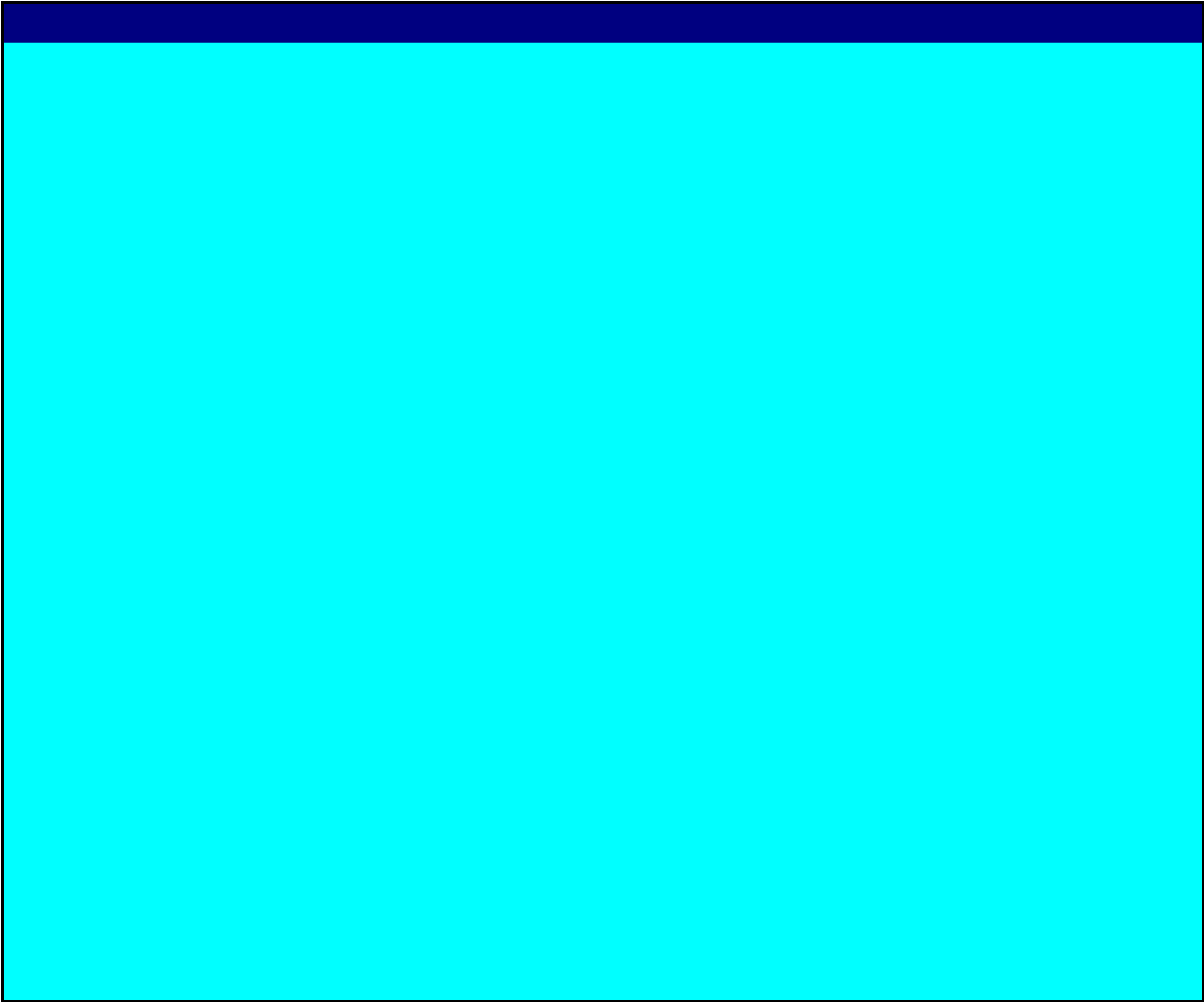
*EITHER select a base population from the menu,
OR, to enter your own data, first select 'User Data' from the top of the menu list,
then type the year, place name and age data (numbers) in the yellow cells.*

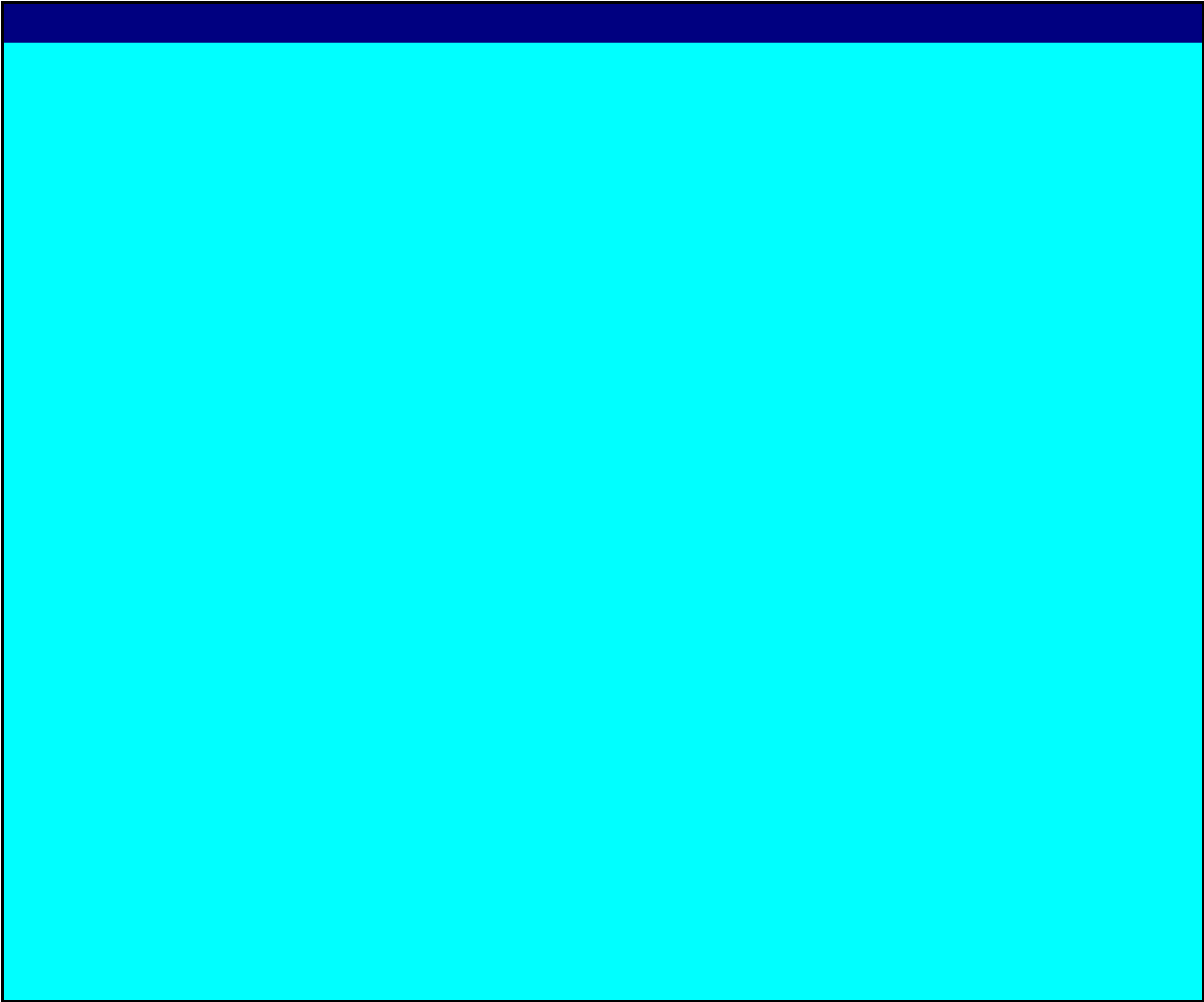
1	Age	Selected Data		User Data		
2		Year:	2000	Year:	2000	
3	Data:	User Data	<input type="button" value="▼"/>	Place:	Australia	
4						
5		Males	Females	Males	Females	
6	0- 4	648 079	615 080	648 079	615 080	
7	5- 9	686 626	649 857	686 626	649 857	
8	10-14	680 974	645 961	680 974	645 961	
9	15-19	694 906	661 233	694 906	661 233	
10	20-24	687 850	657 844	687 850	657 844	
11	25-29	744 625	732 733	744 625	732 733	
	30-34	705 902	707 708	705 902	707 708	
	35-39	747 925	747 386	747 925	747 386	
	40-44	722 355	723 784	722 355	723 784	
	45-49	669 867	673 489	669 867	673 489	
	50-54	631 748	615 951	631 748	615 951	
	55-59	486 876	472 509	486 876	472 509	
	60-64	391 367	389 123	391 367	389 123	
	65-69	328 670	344 566	328 670	344 566	
	70-74	293 793	331 067	293 793	331 067	
	75-79	215 844	285 198	215 844	285 198	
	80-84	116 528	185 698	116 528	185 698	
	85+	79 059	182 169	79 059	182 169	
	Total	9 532 994	9 621 356	#####	#####	

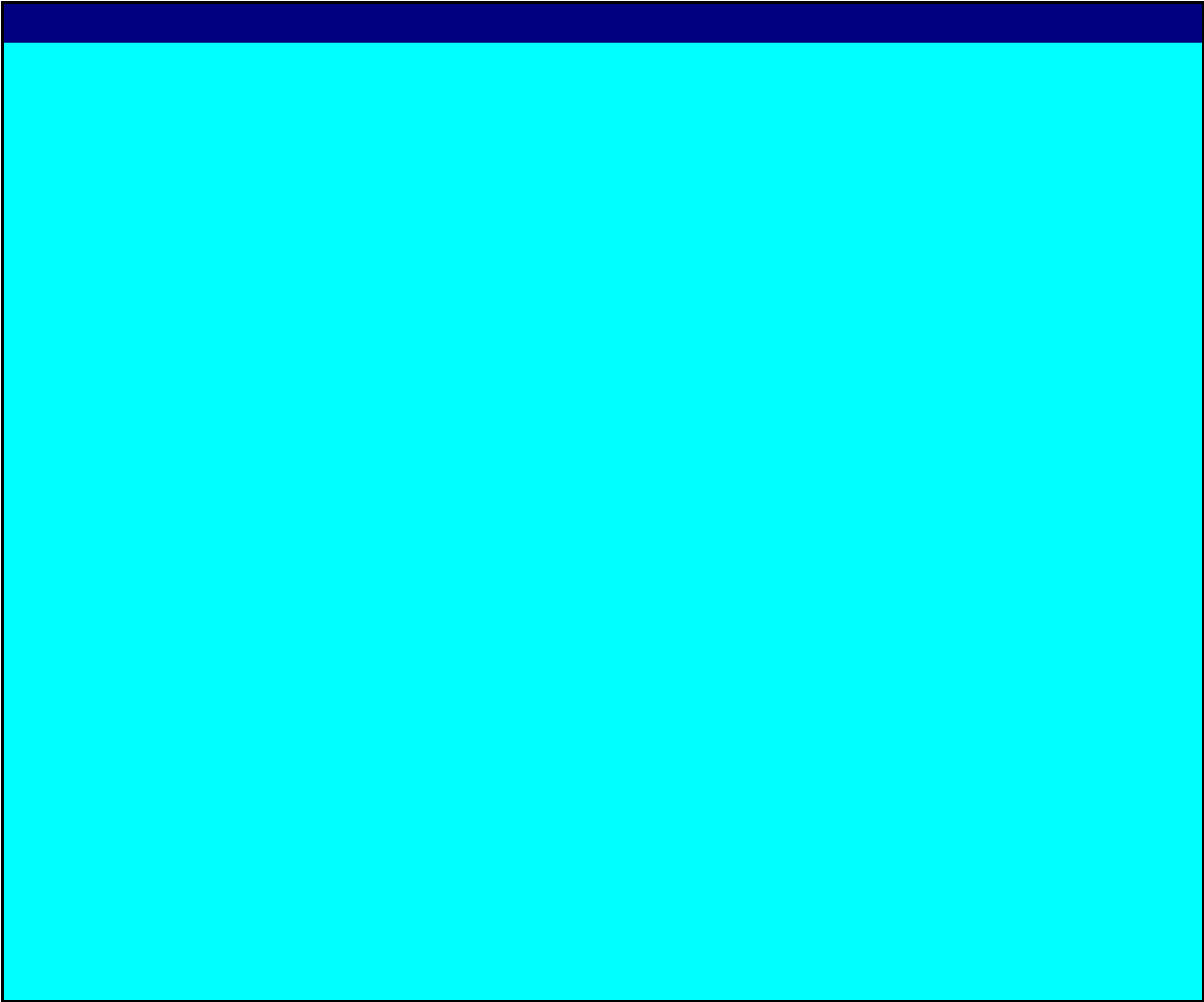


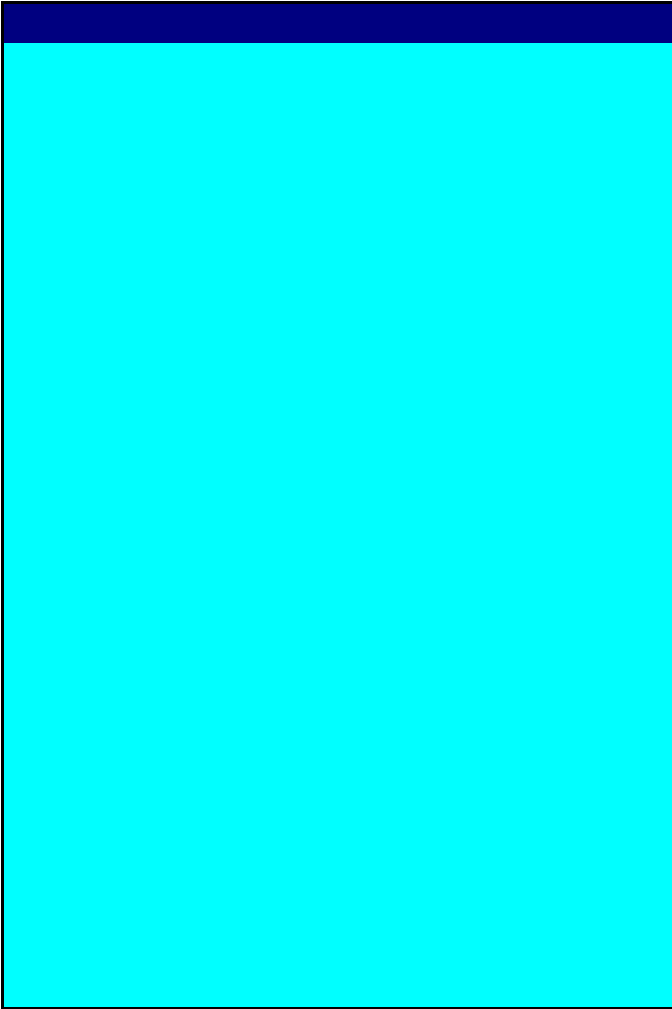










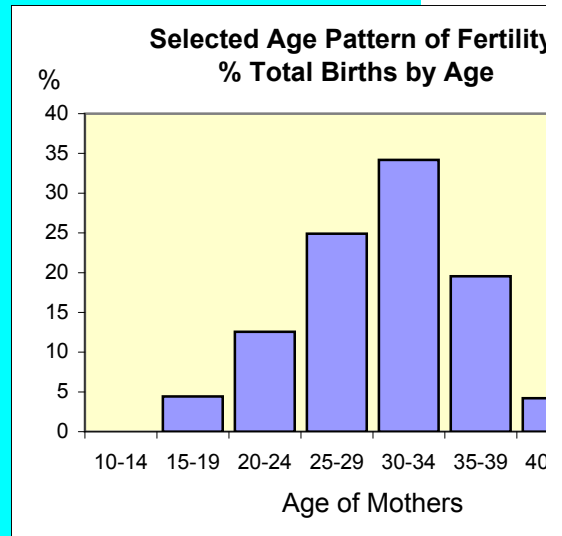


Fertility - Age Pattern

EITHER choose 'Model Data' from the menu and click the 'Change Pattern' button, **OR**, to enter your own data, choose the 'User Data' from the top of the menu list, then type the age-specific fertility rates in the **yellow** cells (these are converted to percentages)

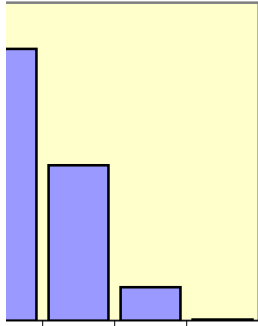
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Age	Selected Data (percentages)		User Data
			ASFRs
Data: User Data ▼			
10-14	0,0	0,0	
15-19	4,4	4,4	14,2
20-24	12,6	12,6	40,2
25-29	24,9	24,9	79,7
30-34	34,2	34,2	109,4
35-39	19,6	19,6	62,6
40-44	4,2	4,2	13,5
45-49	0,1	0,1	0,4
Total	100,0	100,0	320,0



entages).

n of Fertility:
by Age



15-34 35-39 40-44 45-49

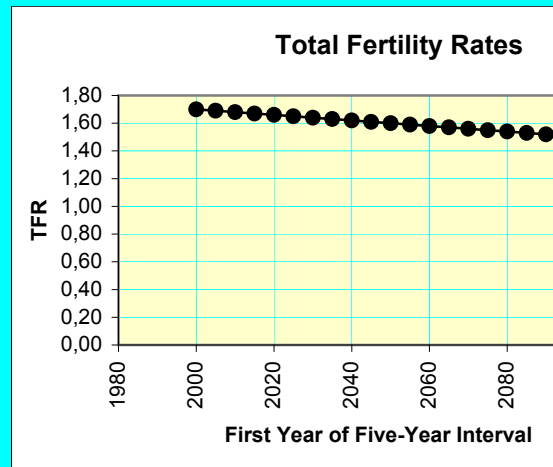
thers

Fertility - Trend in Total Fertility Rates

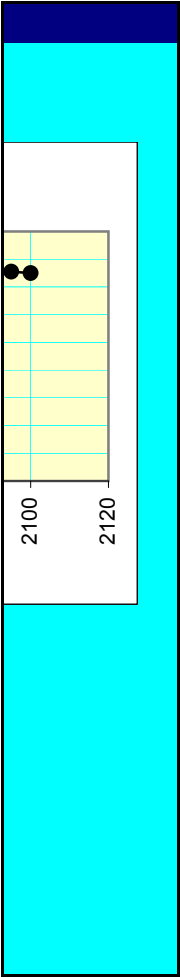
EITHER choose 'Model Data' from the menu and click the 'Change Trend' button,
OR, choose 'User Data' and type total fertility rates in the **yellow** cells.

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	Year	Selected Data	User Data
		Data:	User Data ▼
0	2000	1,70	1,70
5	2005	1,69	1,69
10	2010	1,68	1,68
15	2015	1,67	1,67
20	2020	1,66	1,66
25	2025	1,65	1,65
30	2030	1,64	1,64
35	2035	1,63	1,63
40	2040	1,62	1,62
45	2045	1,61	1,61
50	2050	1,60	1,60
55	2055	1,59	1,59
60	2060	1,58	1,58
65	2065	1,57	1,57
70	2070	1,56	1,56
75	2075	1,55	1,55
80	2080	1,54	1,54
85	2085	1,53	1,53
90	2090	1,52	1,52
95	2095	1,51	1,51
100	2100	1,50	1,50



Not used, applies to years 100-105

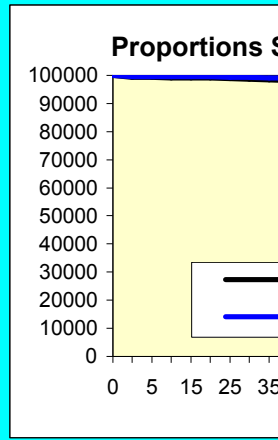


Mortality - Age Pattern

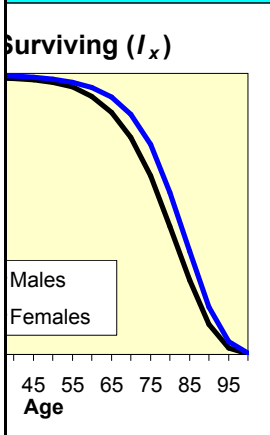
EITHER select a standard population from the menu,
OR, to enter your own data, first select 'User Data' from the top of the menu list,
 then type I_x values in the **yellow** cells (life table radix = 100,000).

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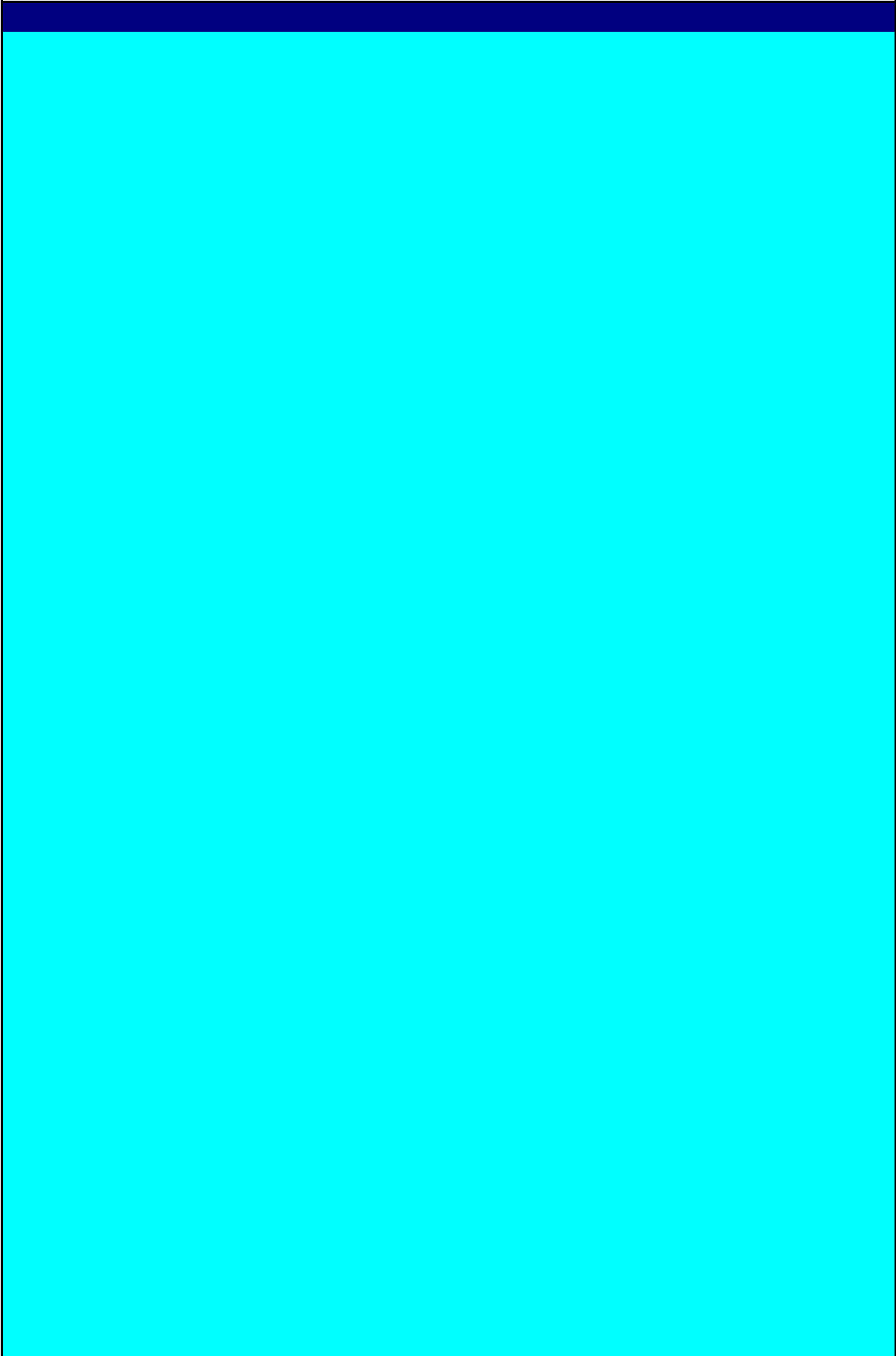
Age	Selected Data		User Data	
	Males	Females	Males	Females
0	100000	100000	100000	100000
1	99289	99555		
5	99231	99522		
10	99171	99499		
15	99114	99478		
20	98985	99440		
25	98810	99384		
30	98648	99306		
35	98468	99198		
40	98217	99022		
45	97775	98697		
50	96857	98036		
55	95106	96904		
60	91738	94948		
65	86155	91660		
70	77124	85479		
75	63564	74670		
80	45636	57547		
85	26364	36683		
90	10640	16927		
95	2373	4484		
100	199	458		



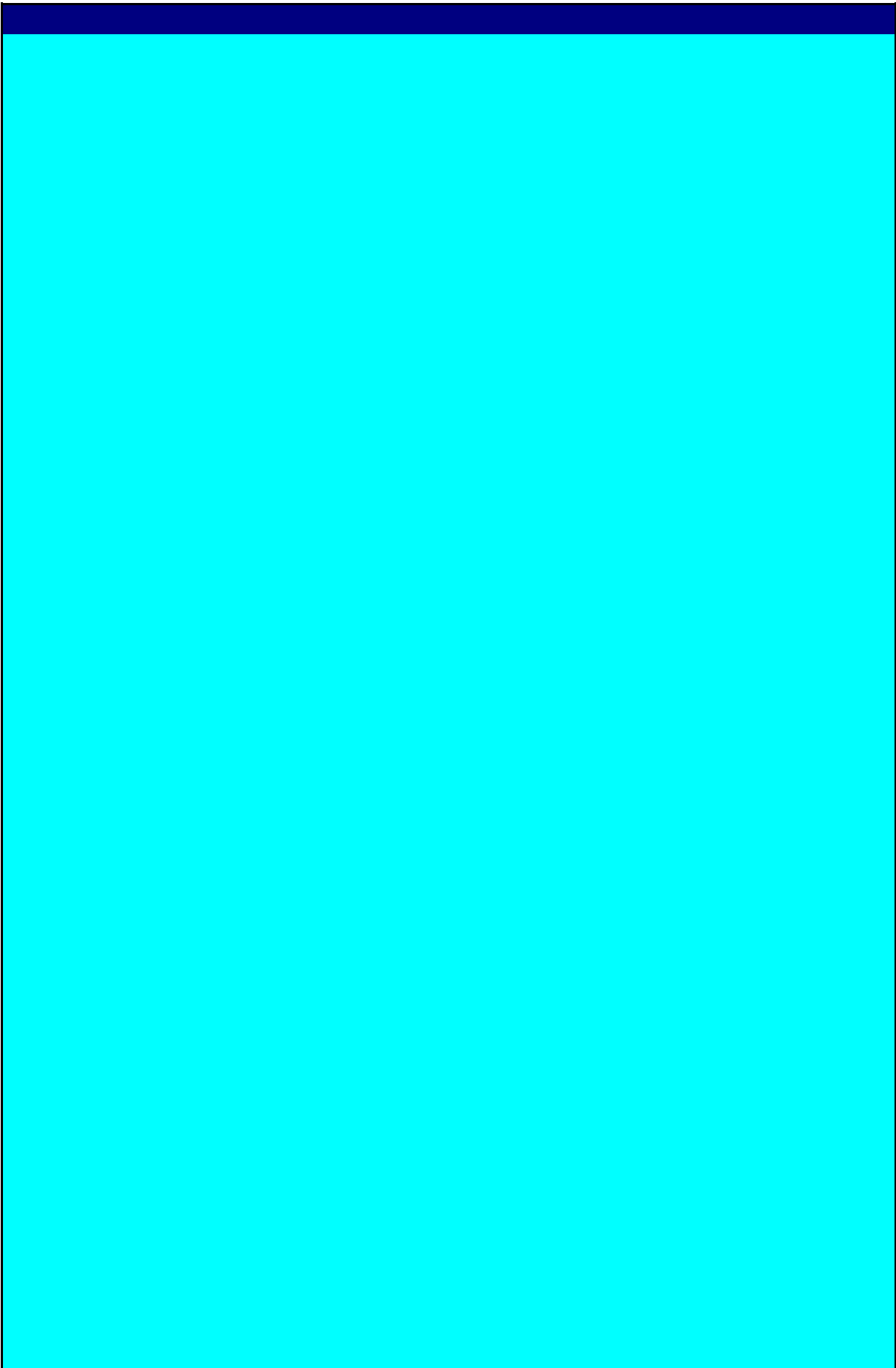


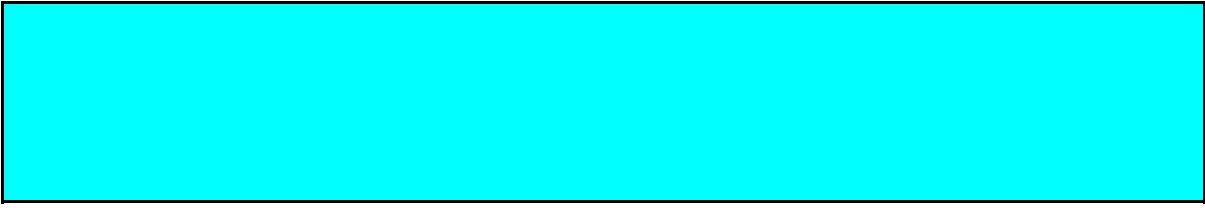


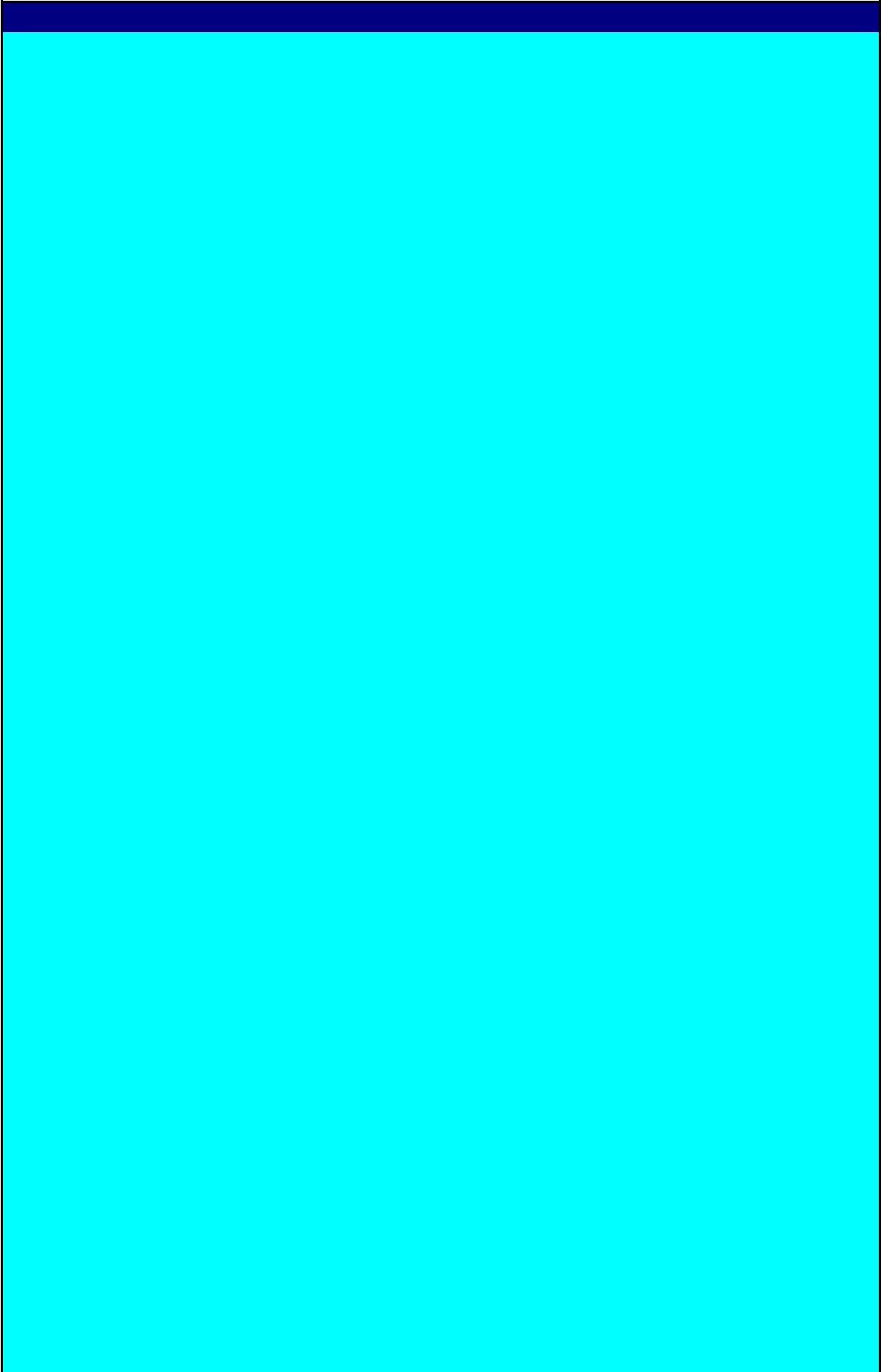




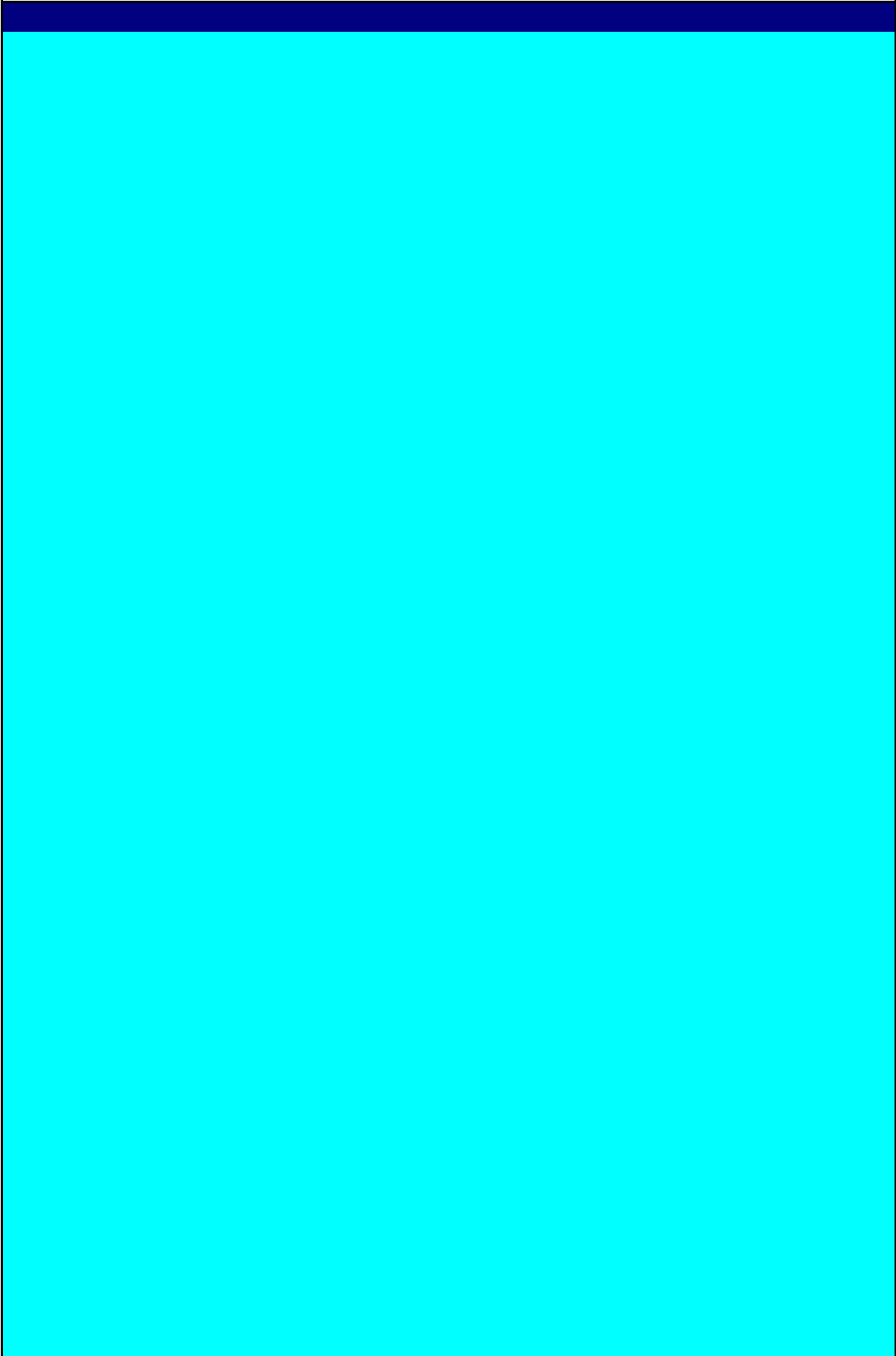




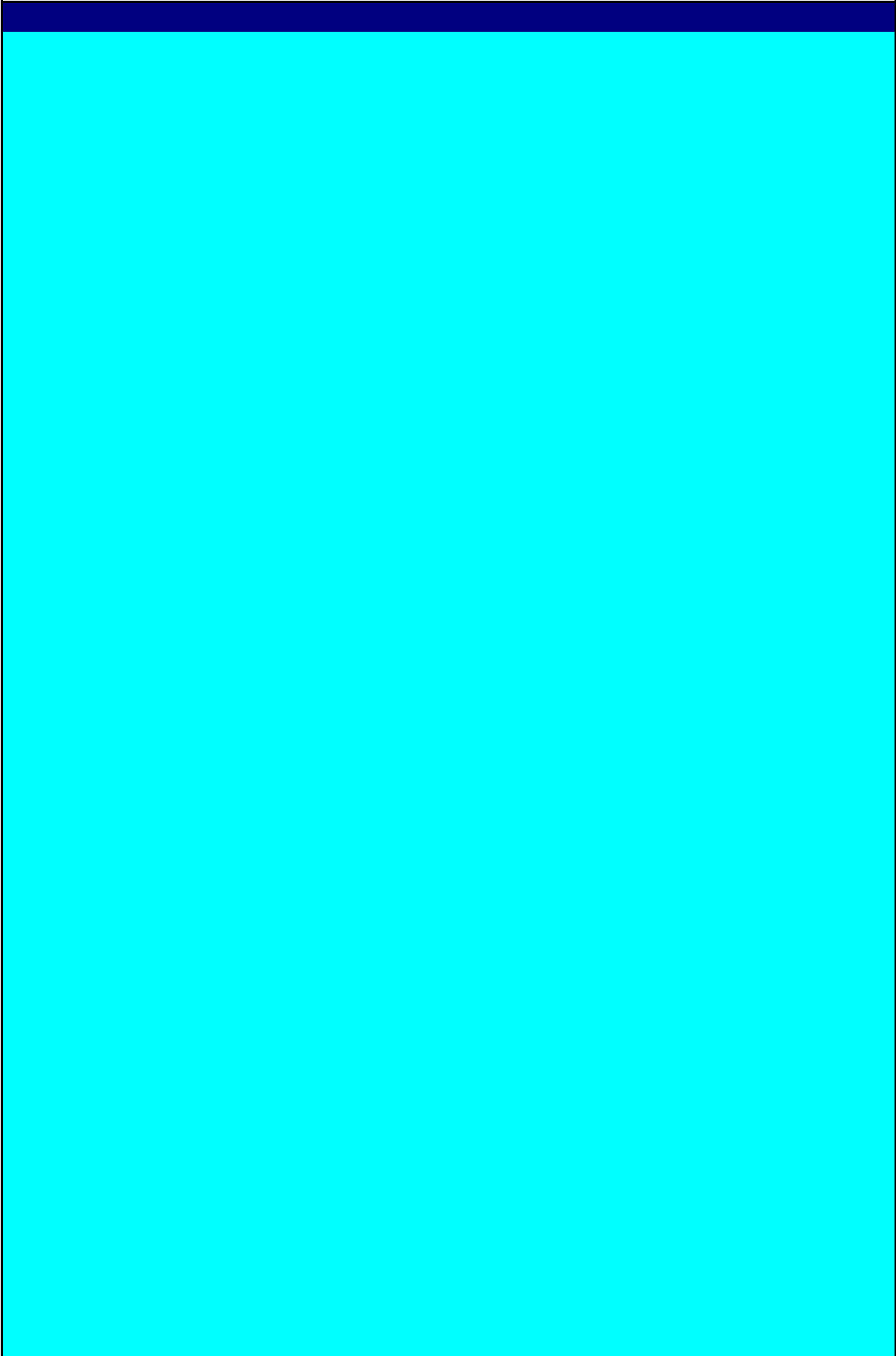




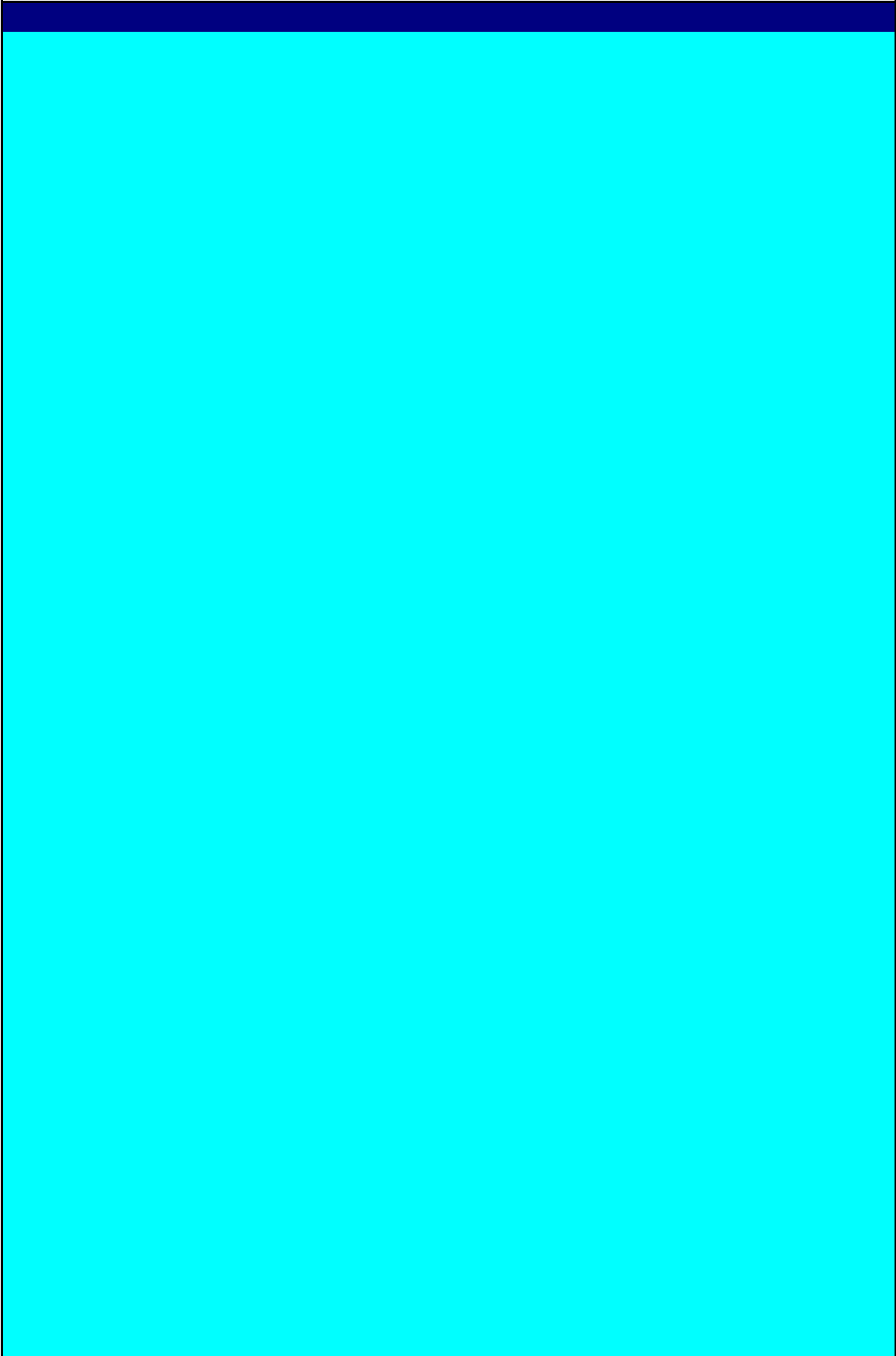




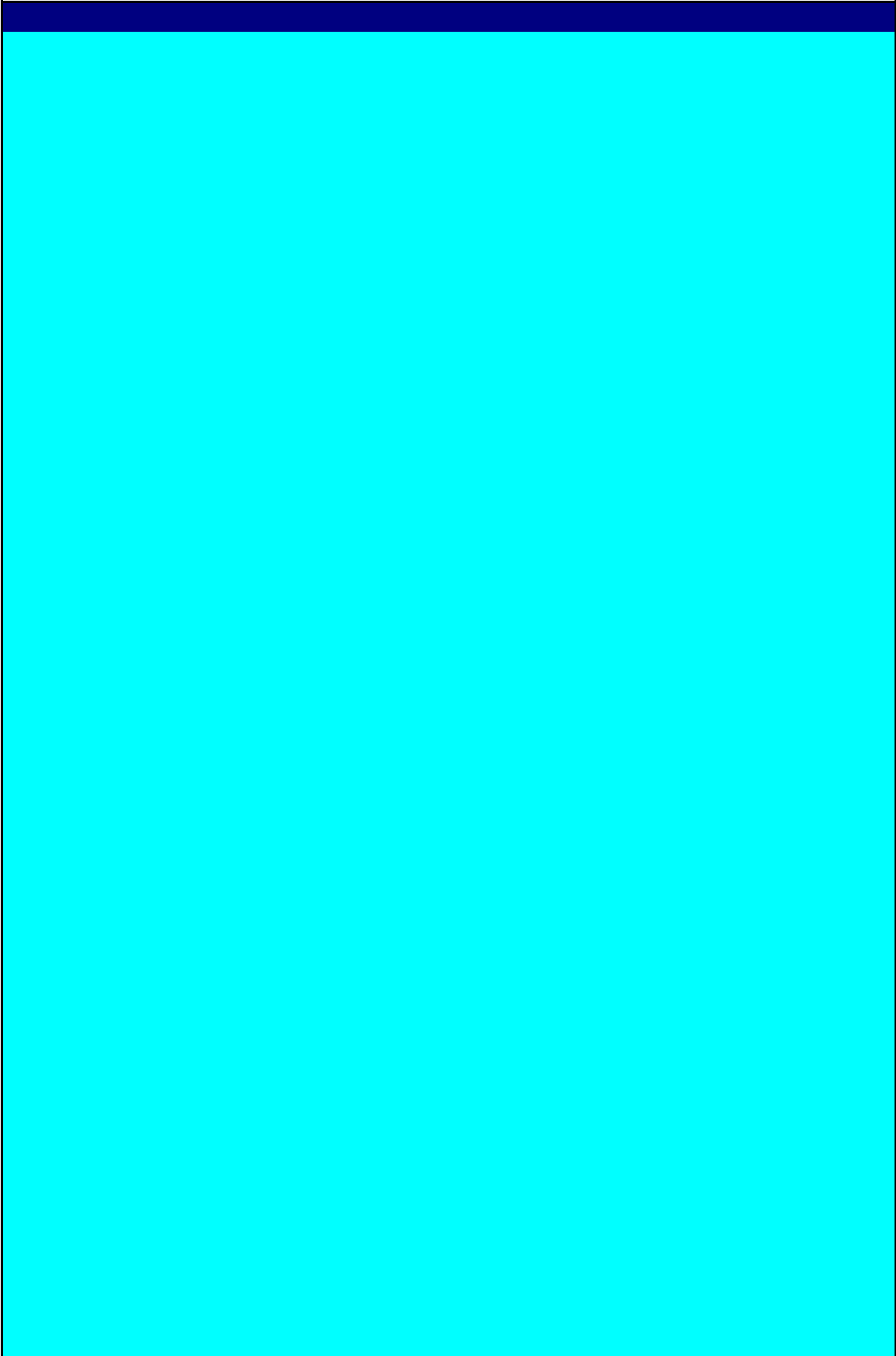




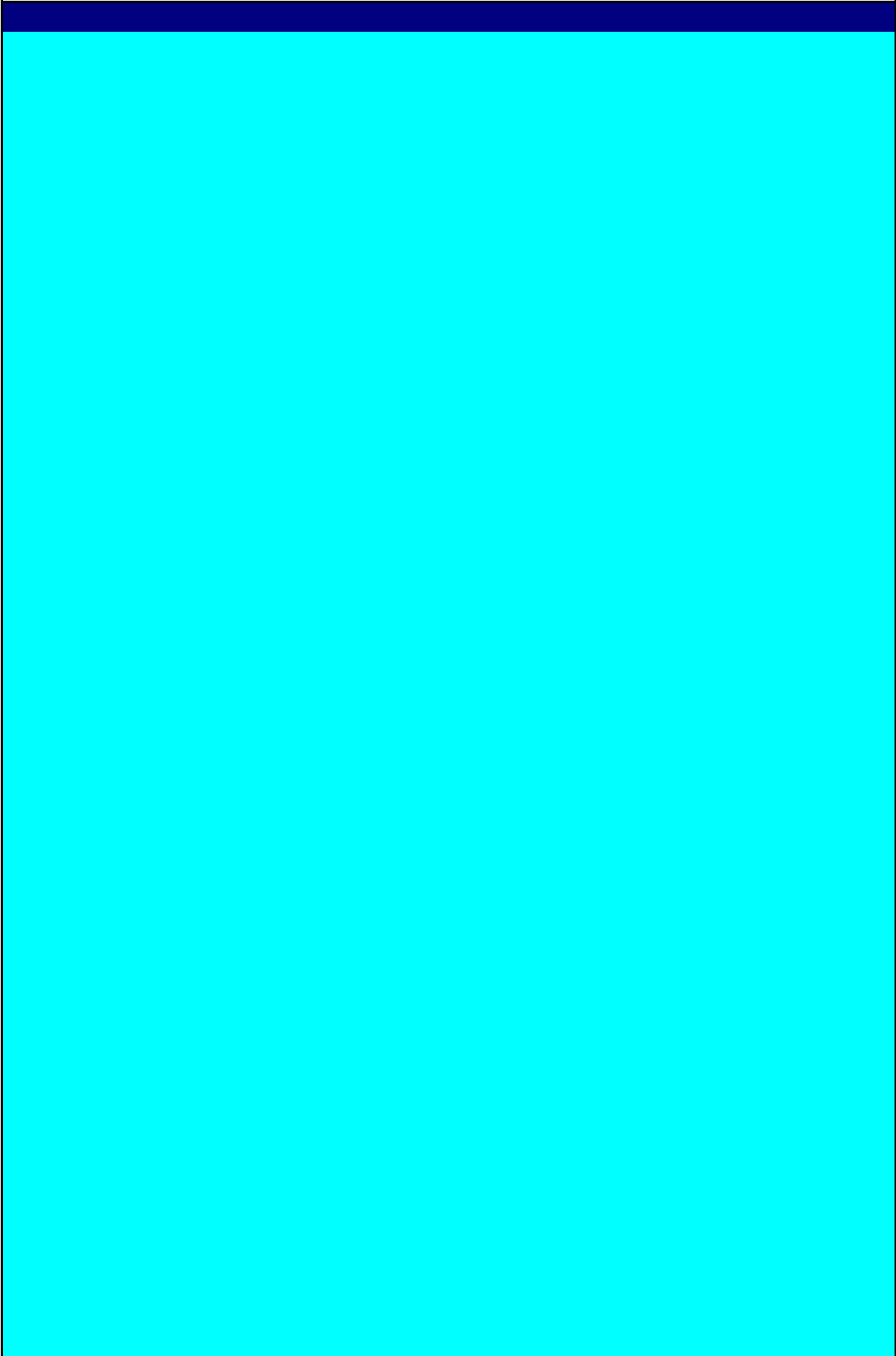




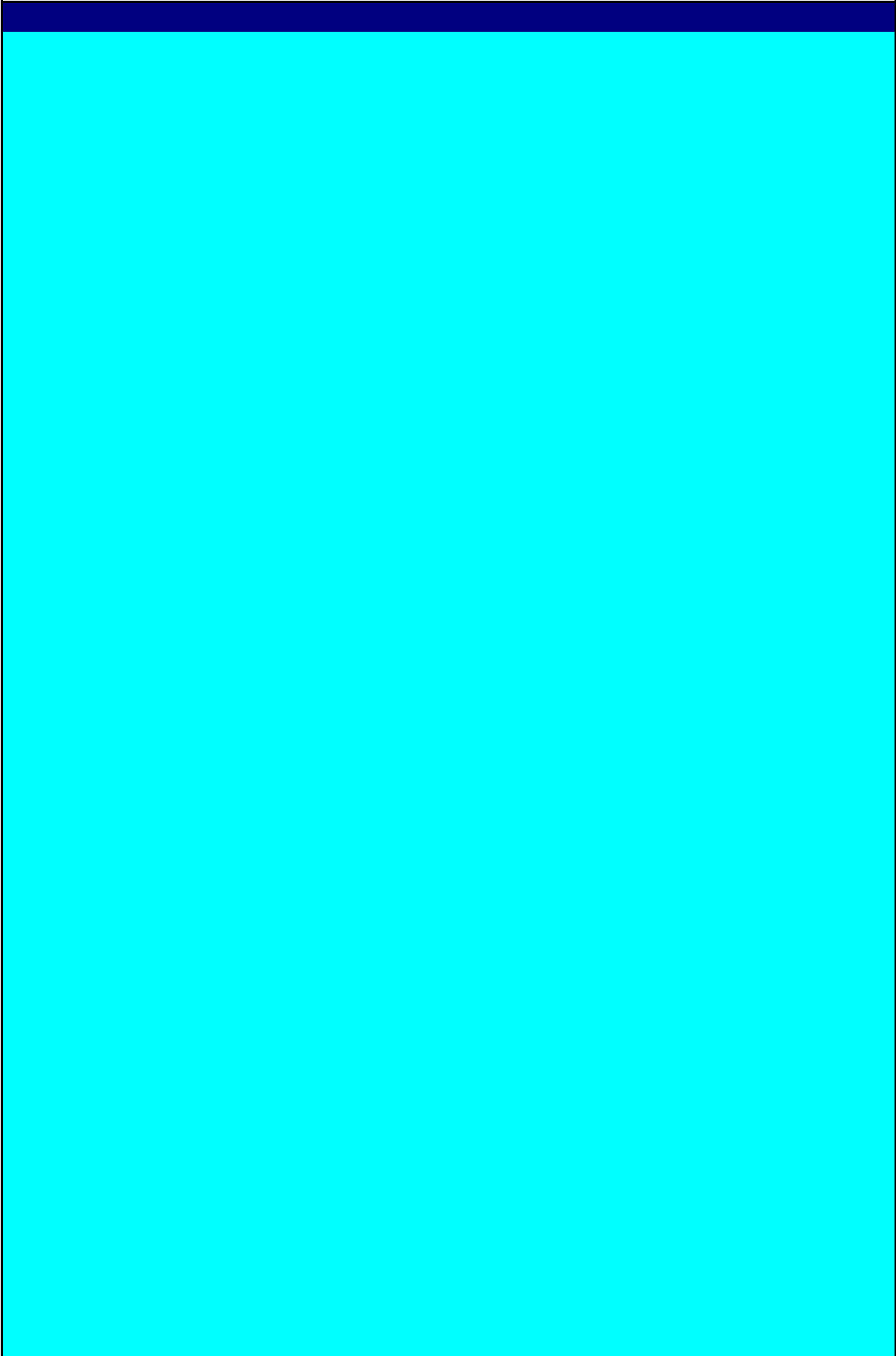




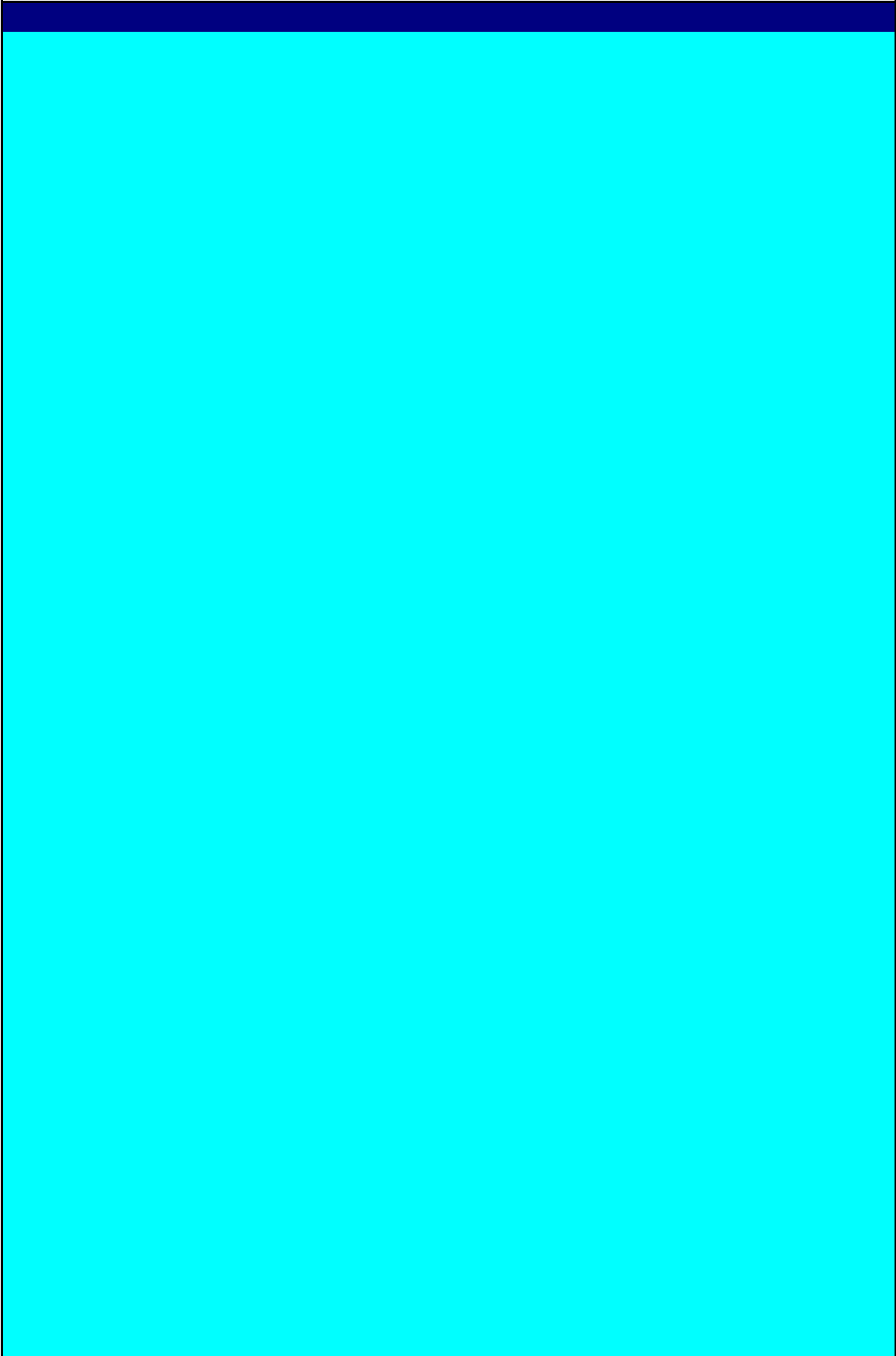




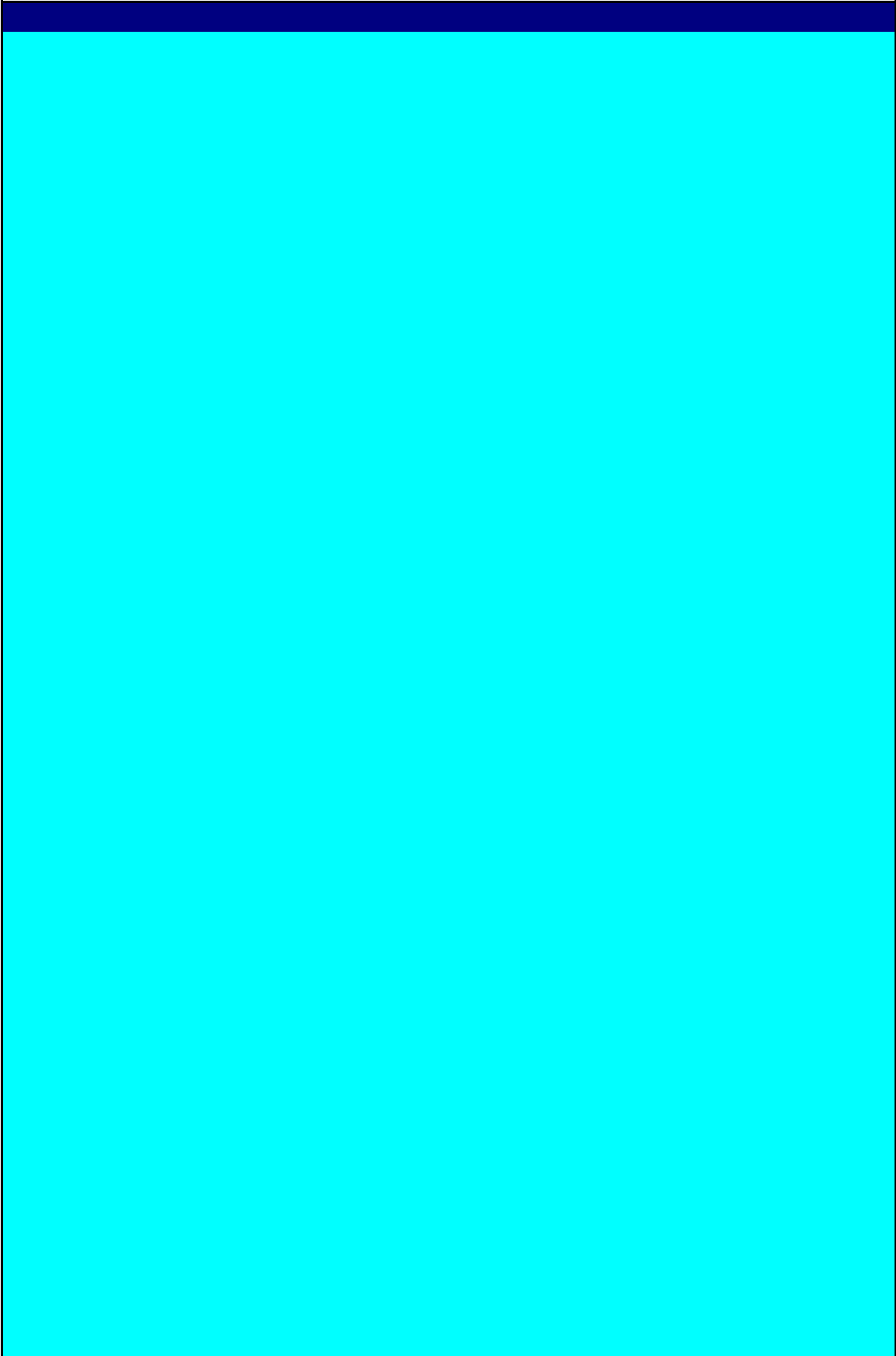




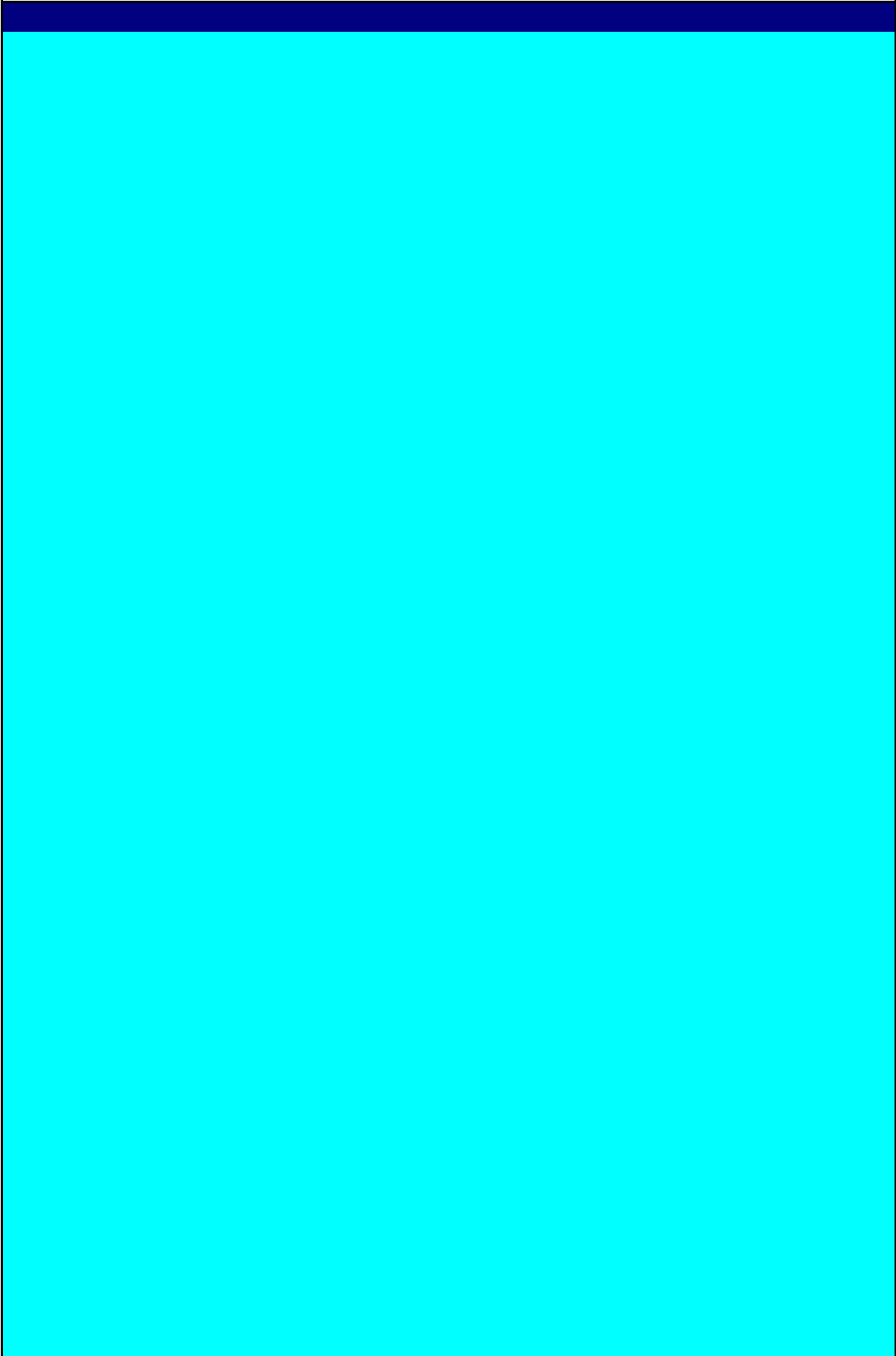




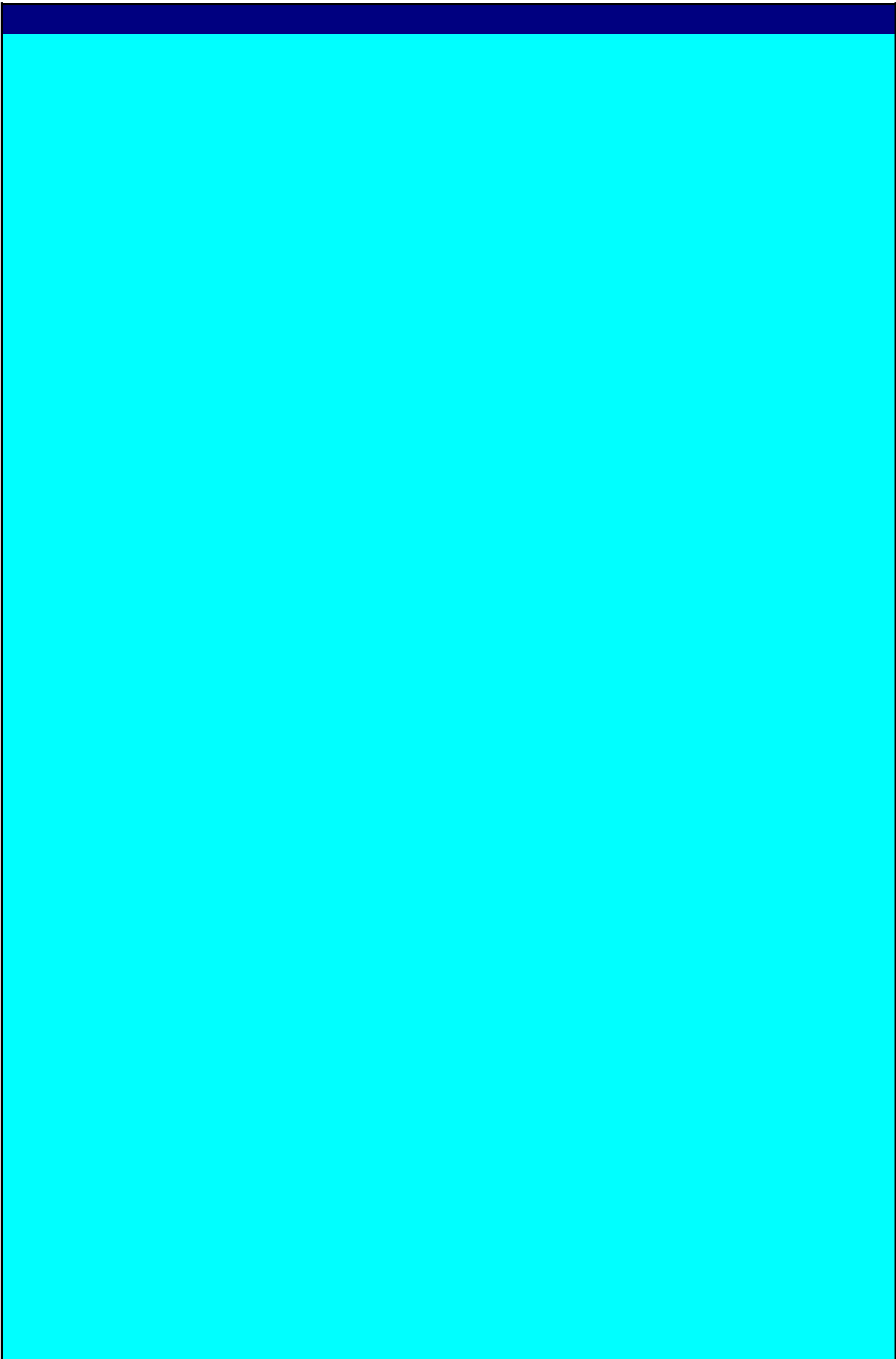




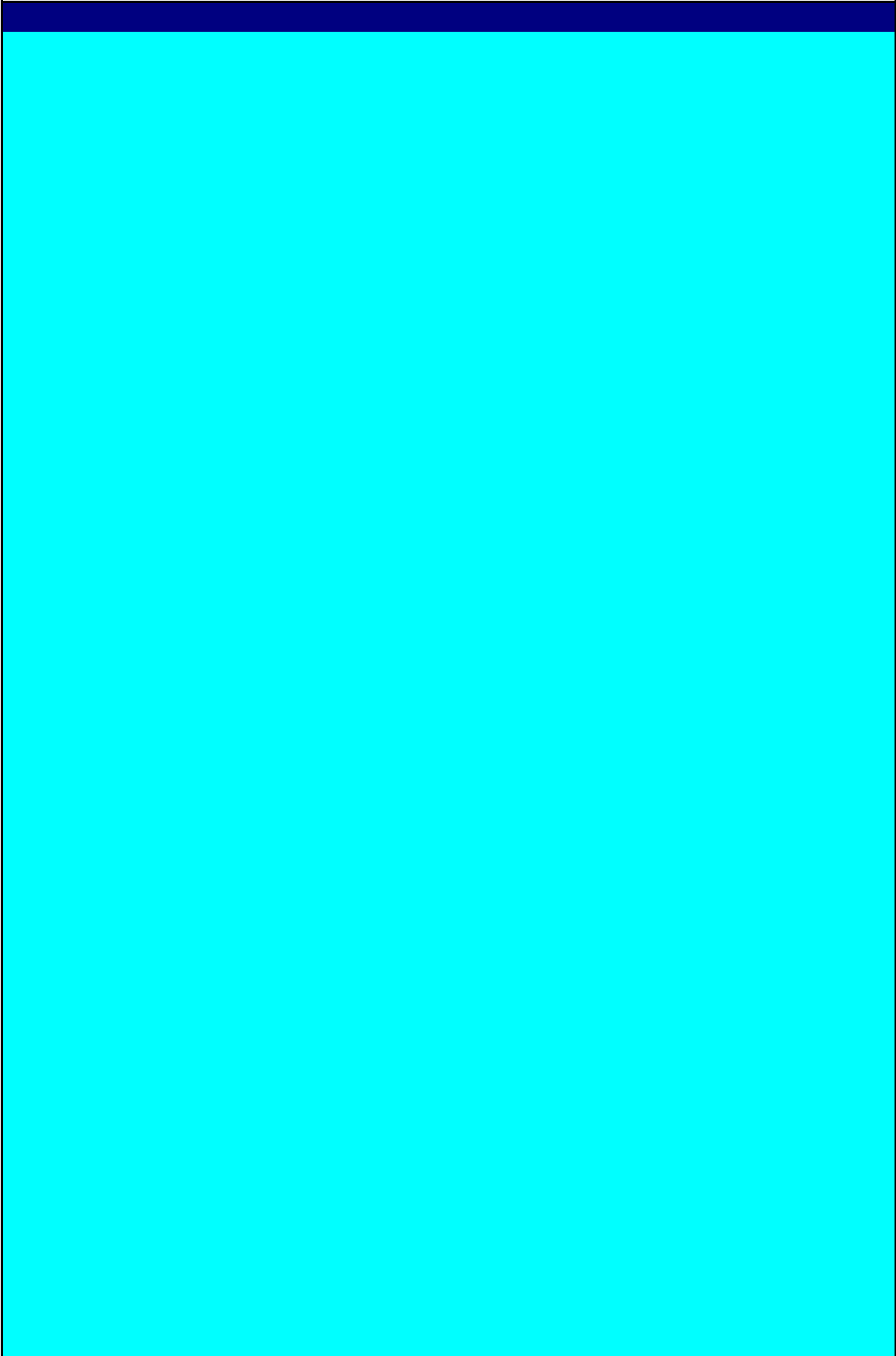


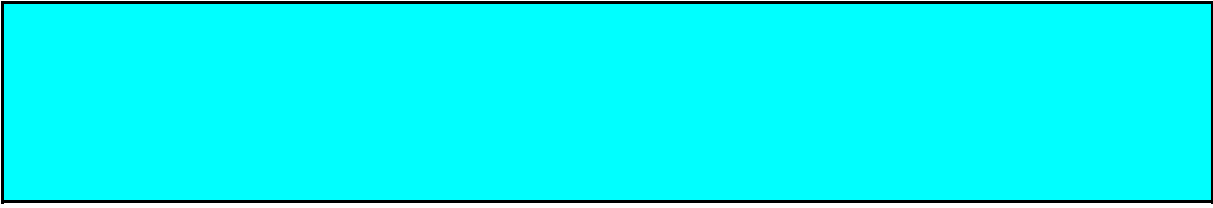


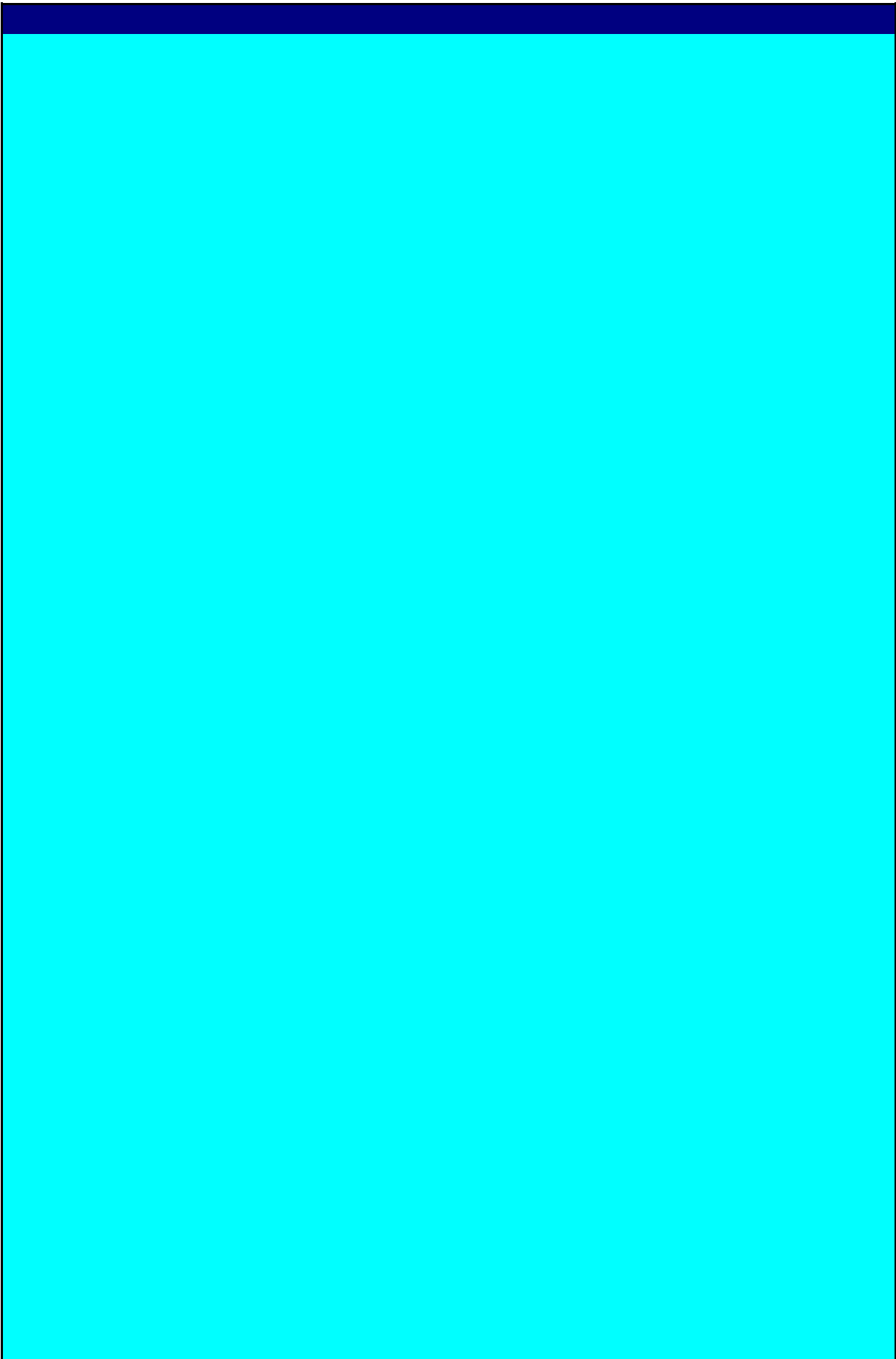




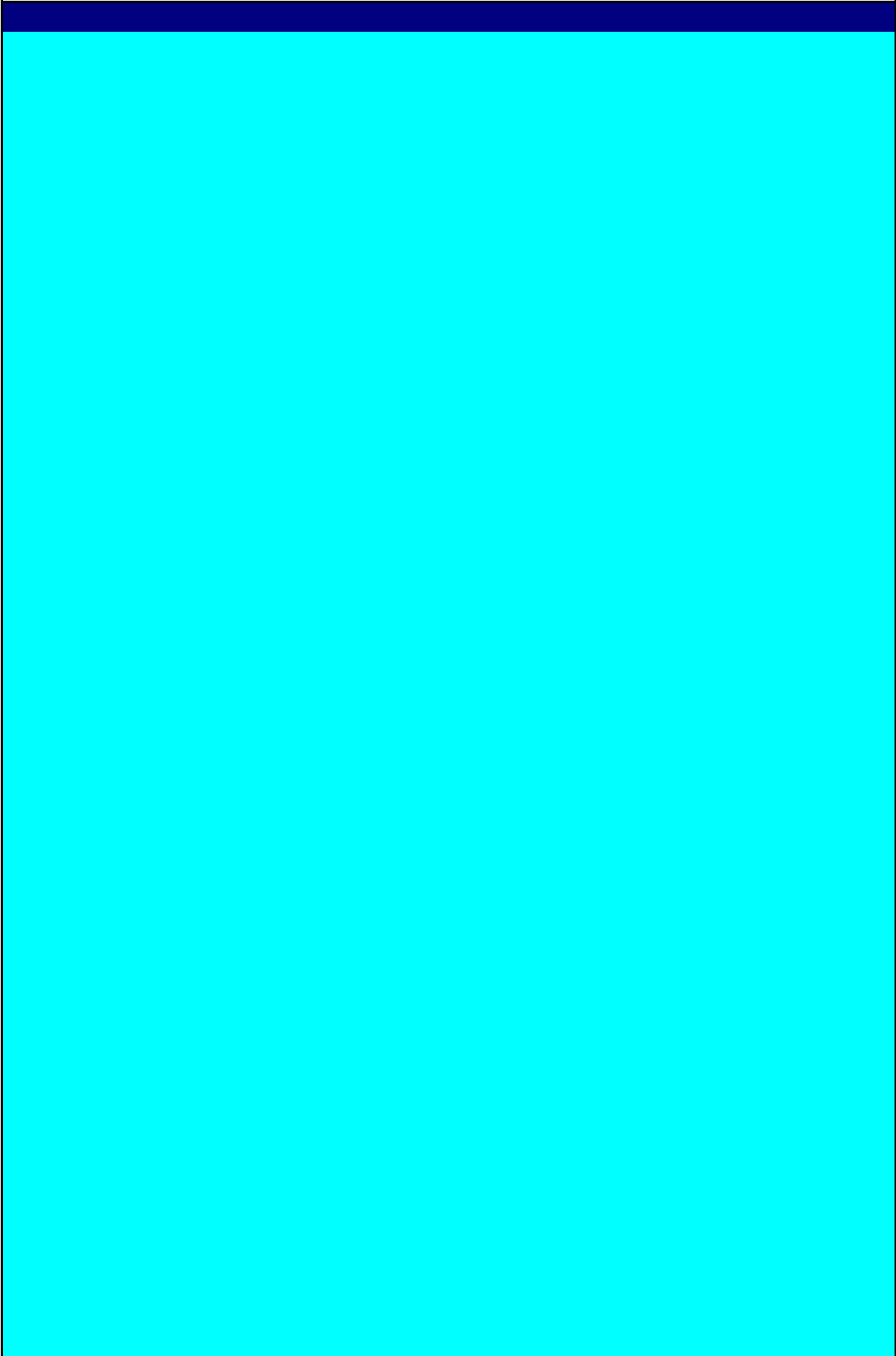




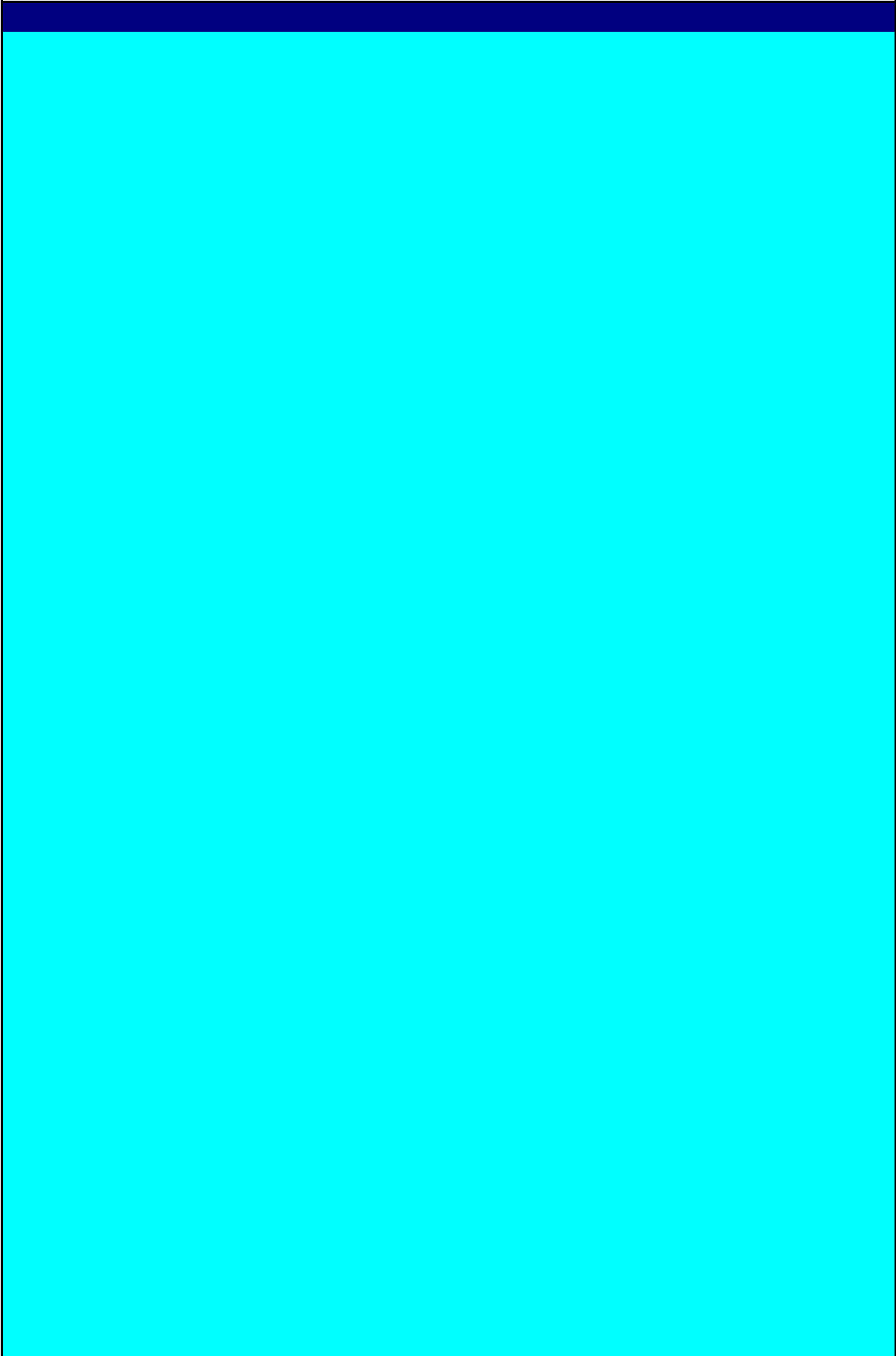




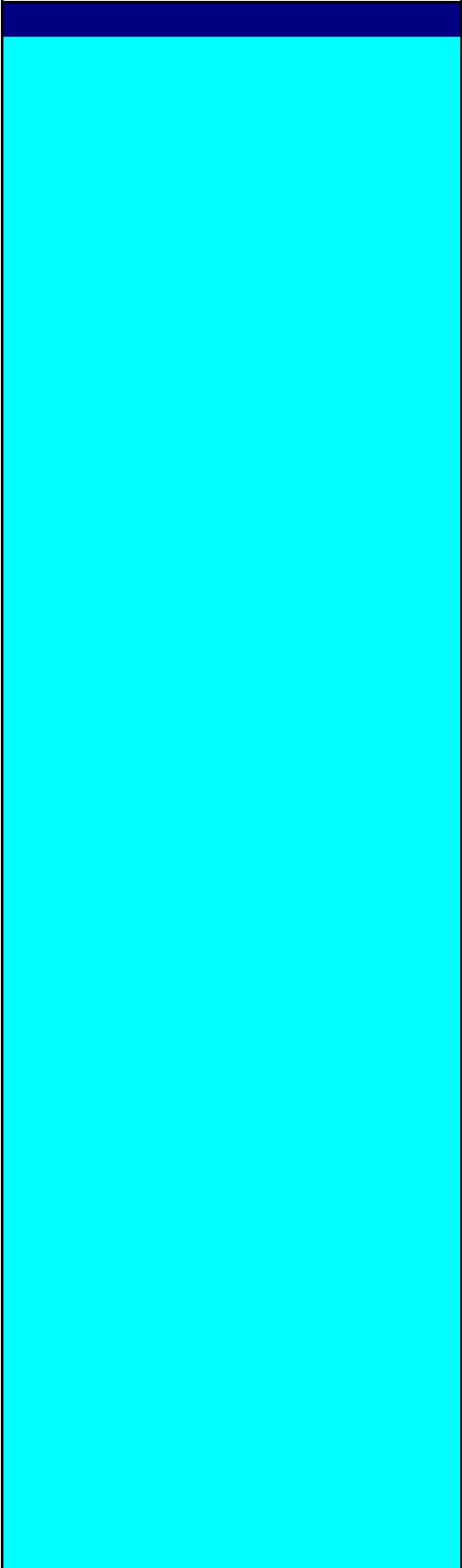










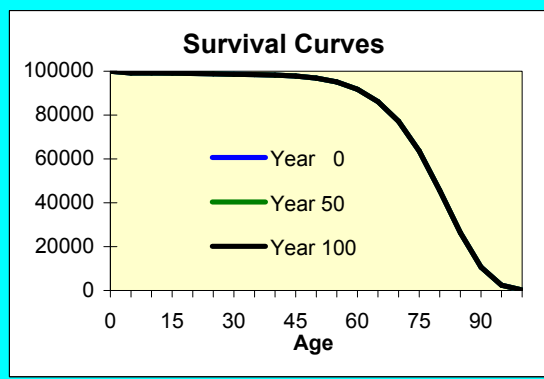
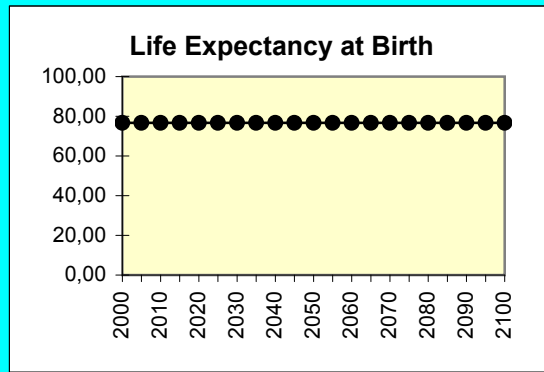


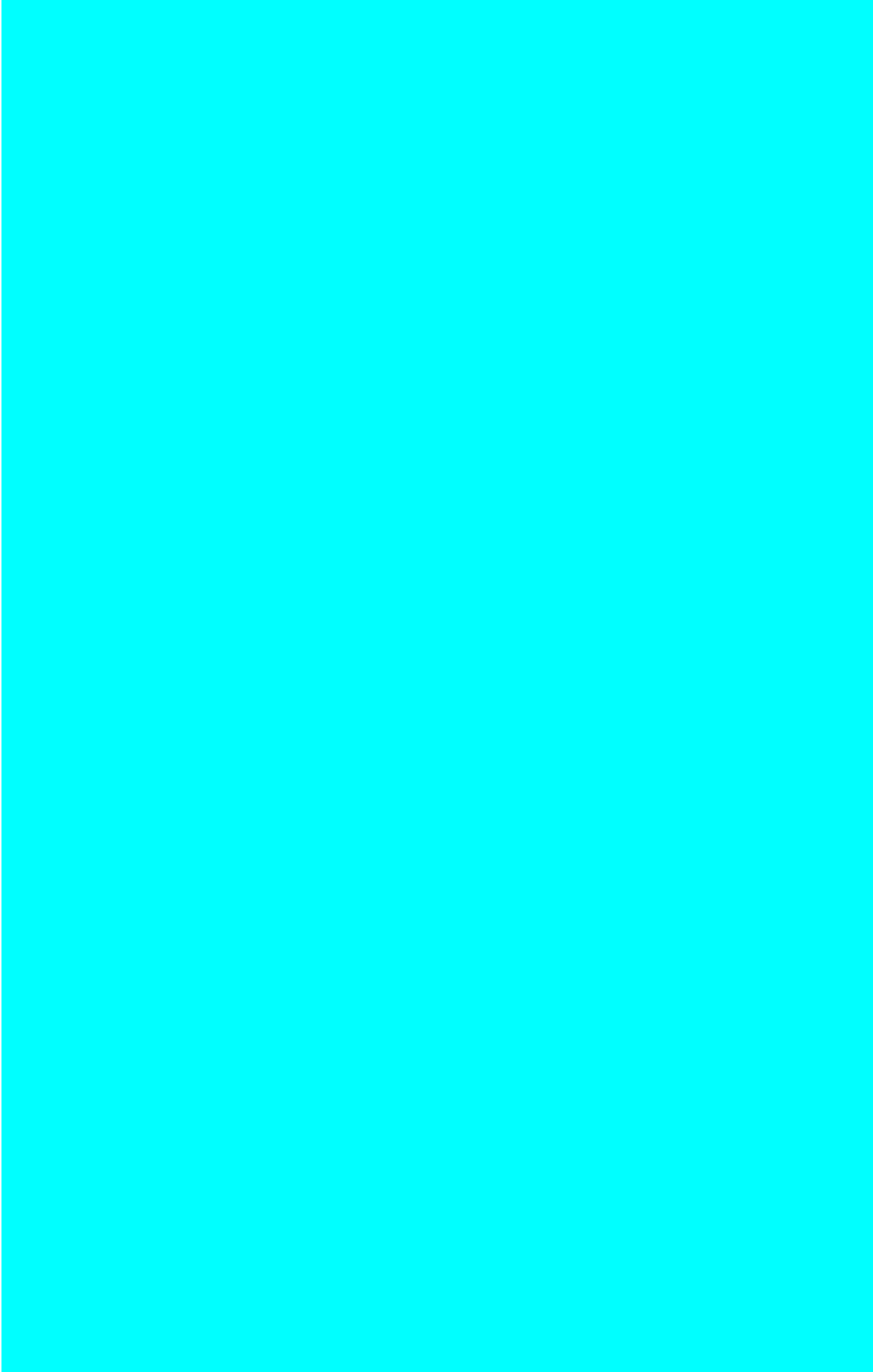
Mortality - Trend in Male Life Expectancy

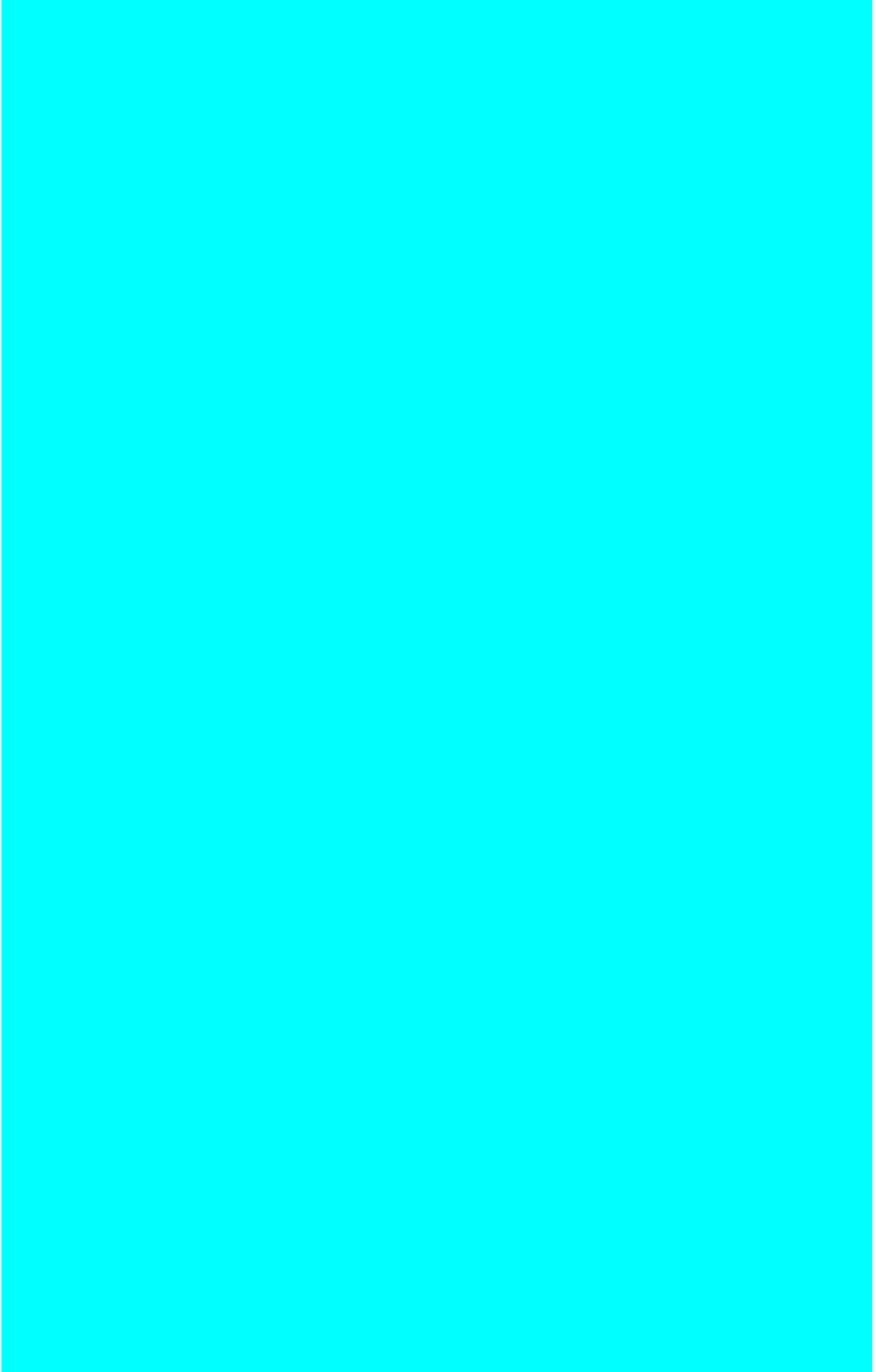
Click 'Change Trend' to modify life expectancy through time.
 For constant mortality, set alphas to 0 and betas to 1.

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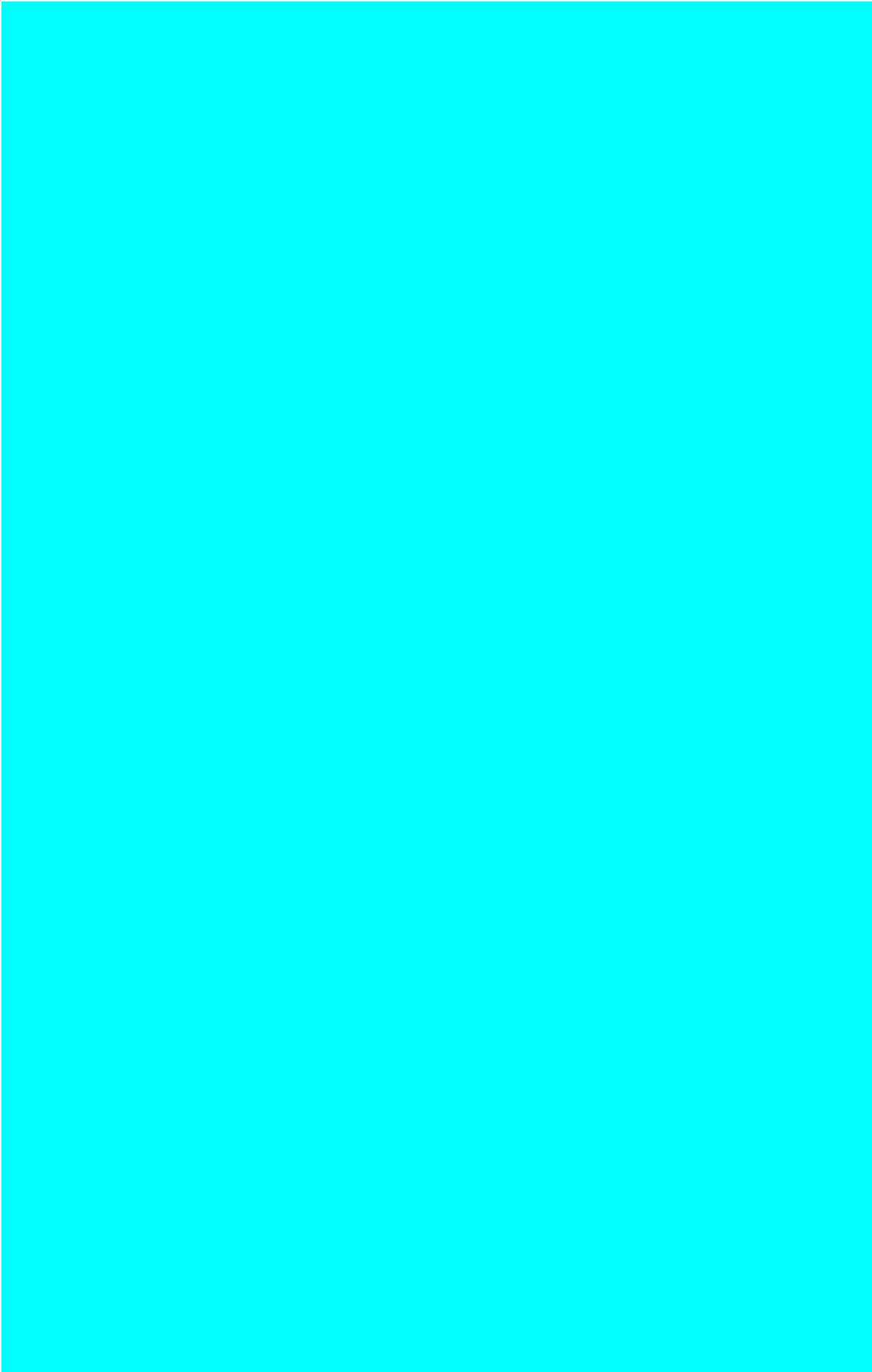
	Year	Selected Data
0	2000	76,69
5	2005	76,69
10	2010	76,69
15	2015	76,69
20	2020	76,69
25	2025	76,69
30	2030	76,69
35	2035	76,69
40	2040	76,69
45	2045	76,69
50	2050	76,69
55	2055	76,69
60	2060	76,69
65	2065	76,69
70	2070	76,69
75	2075	76,69
80	2080	76,69
85	2085	76,69
90	2090	76,69
95	2095	76,69
100	2100	76,69



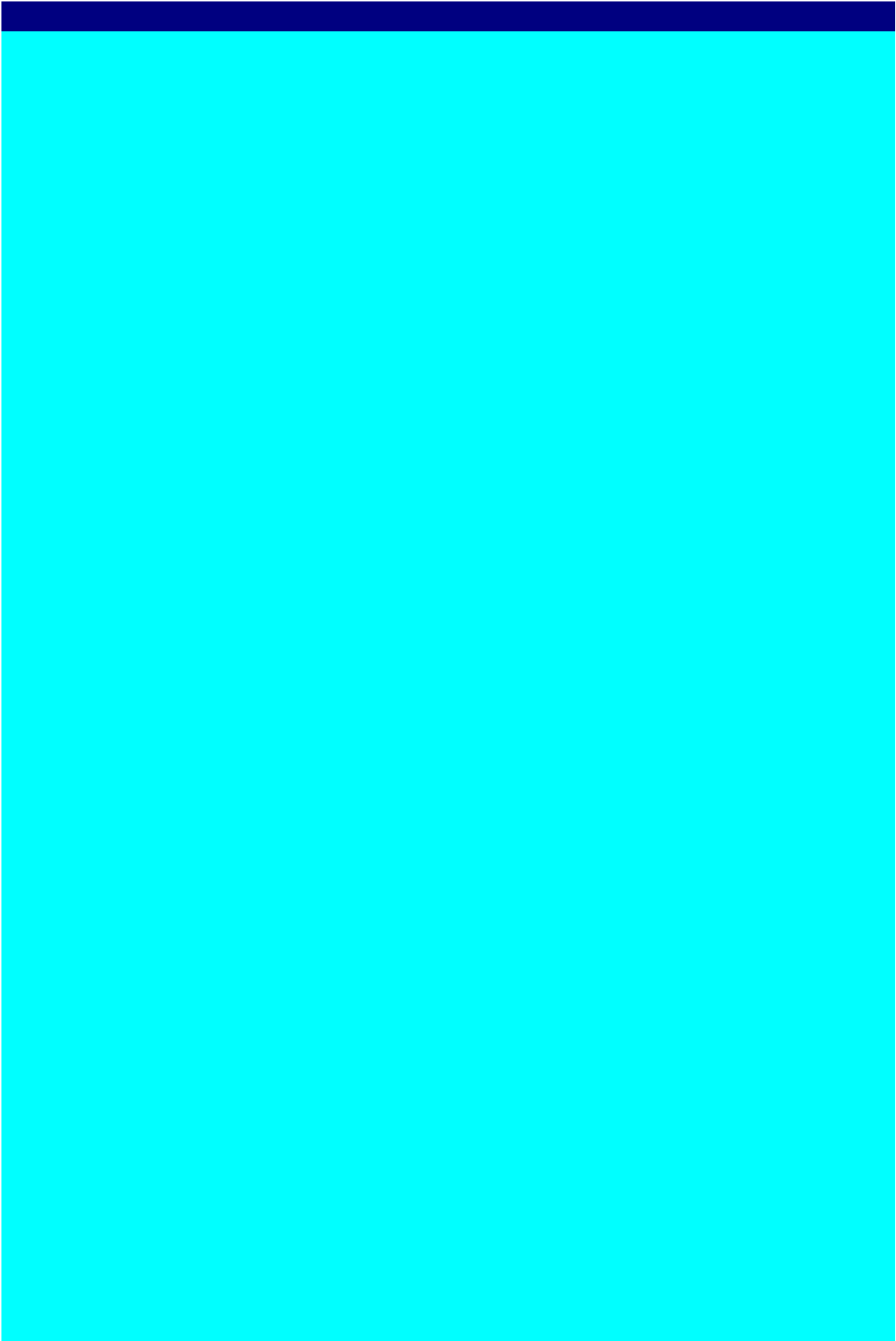


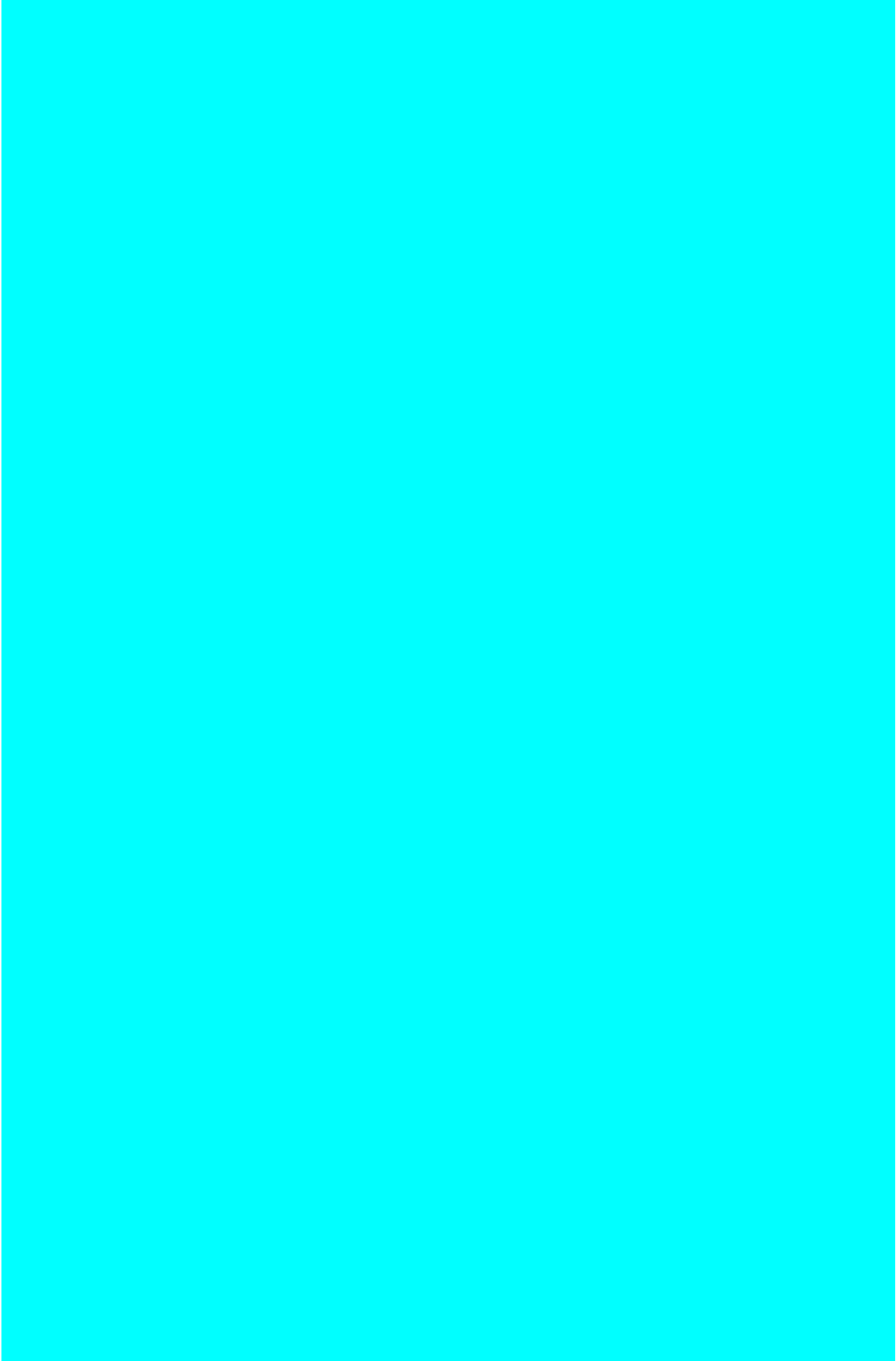


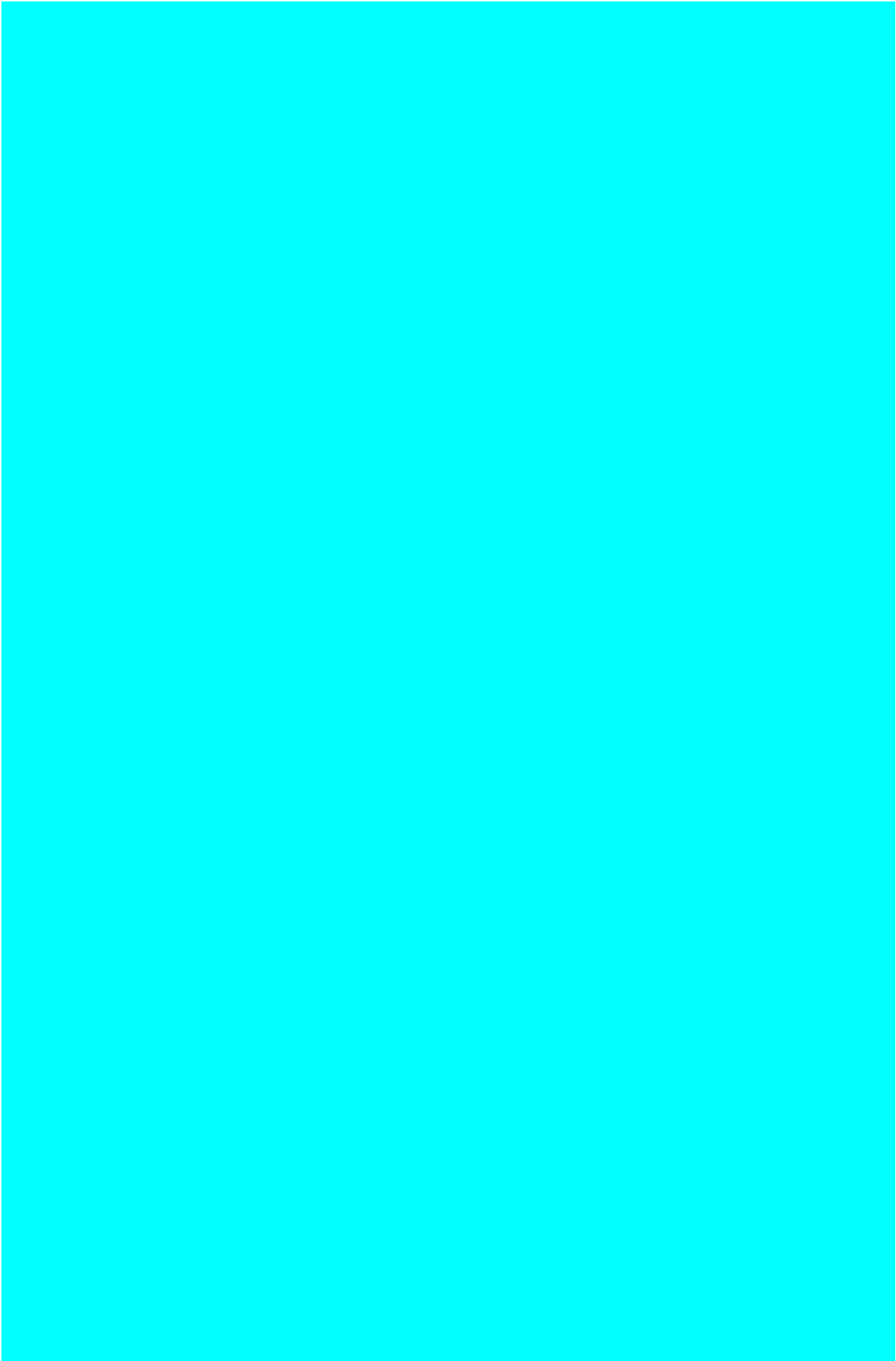


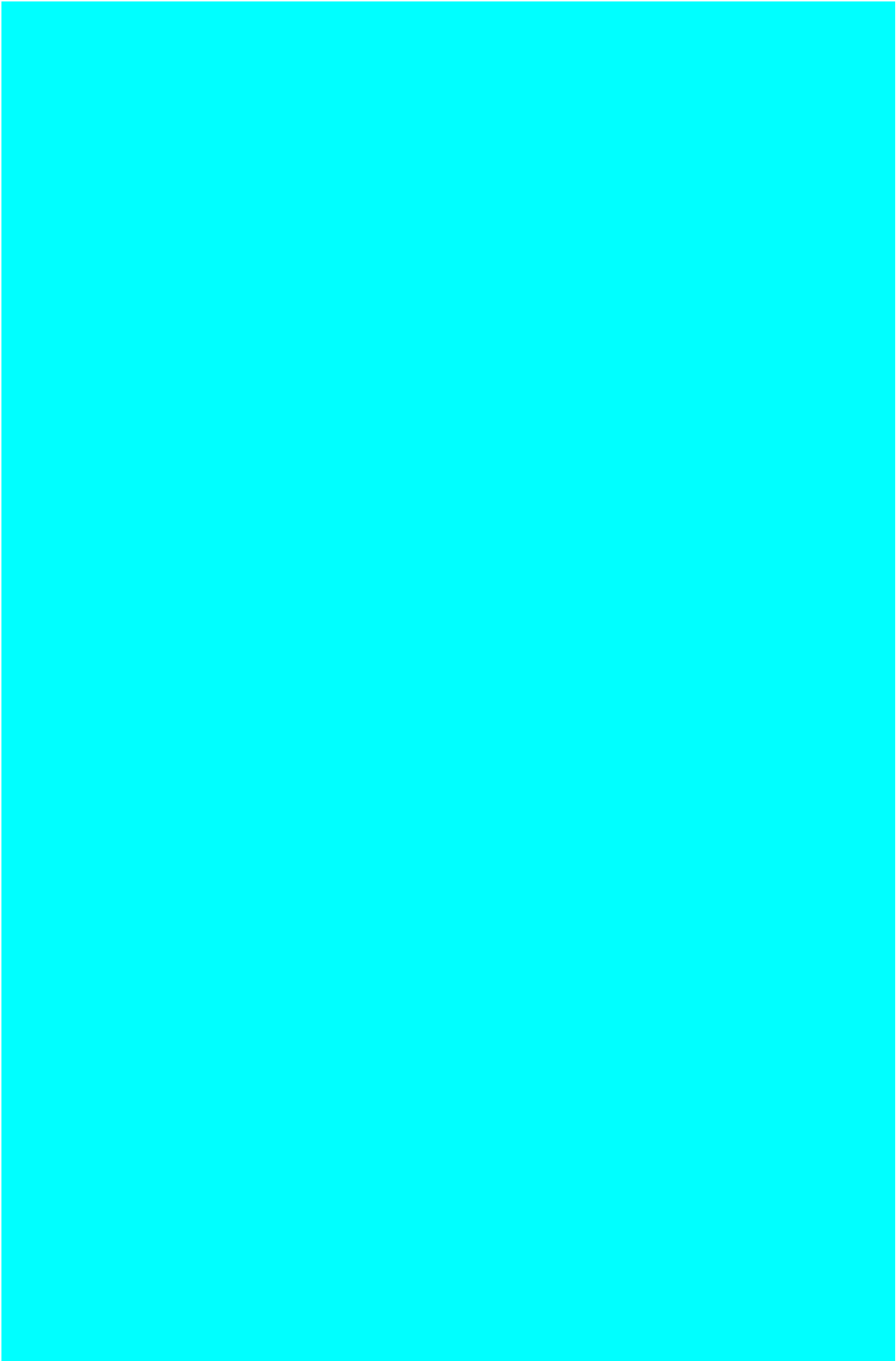


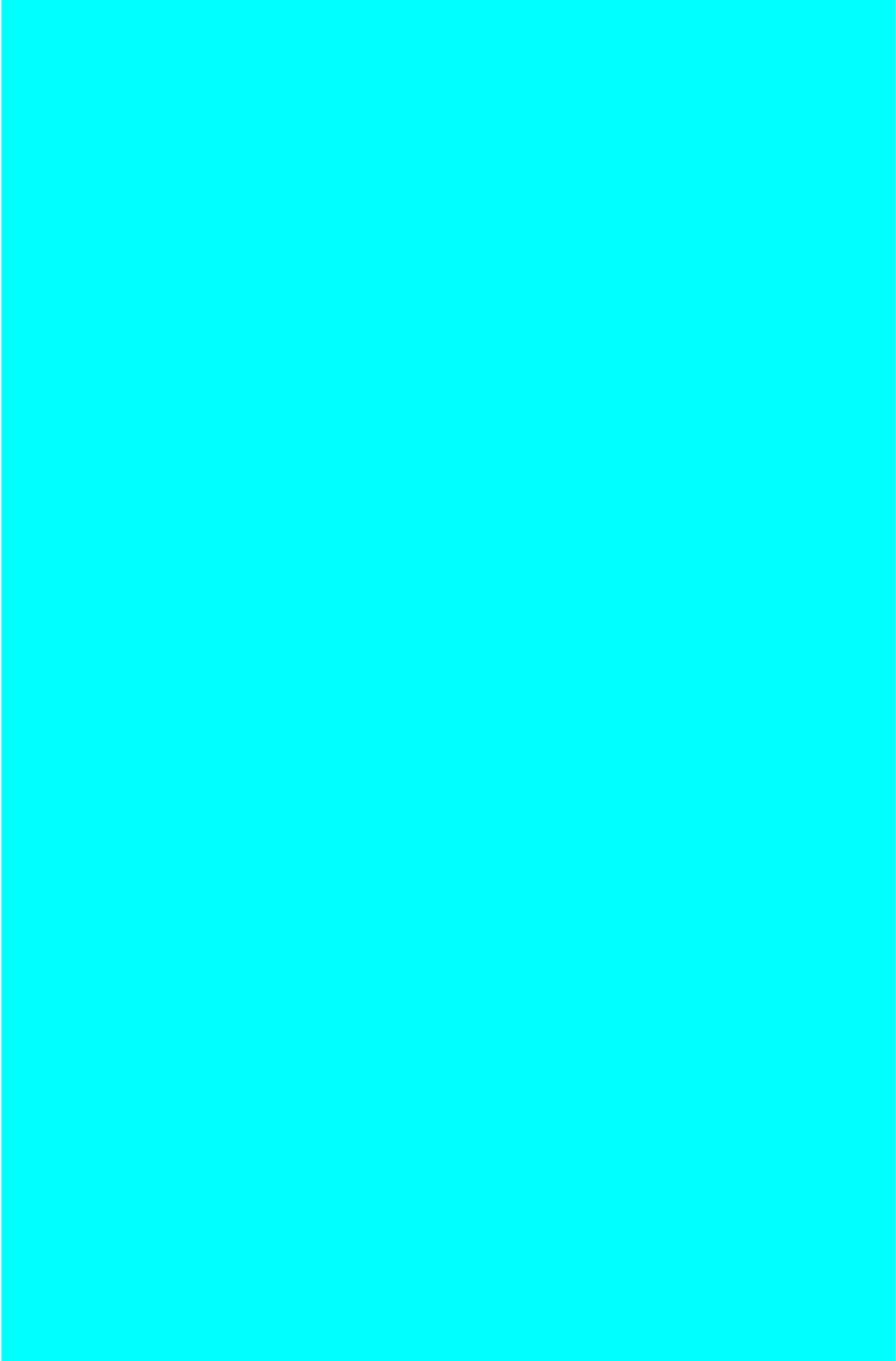


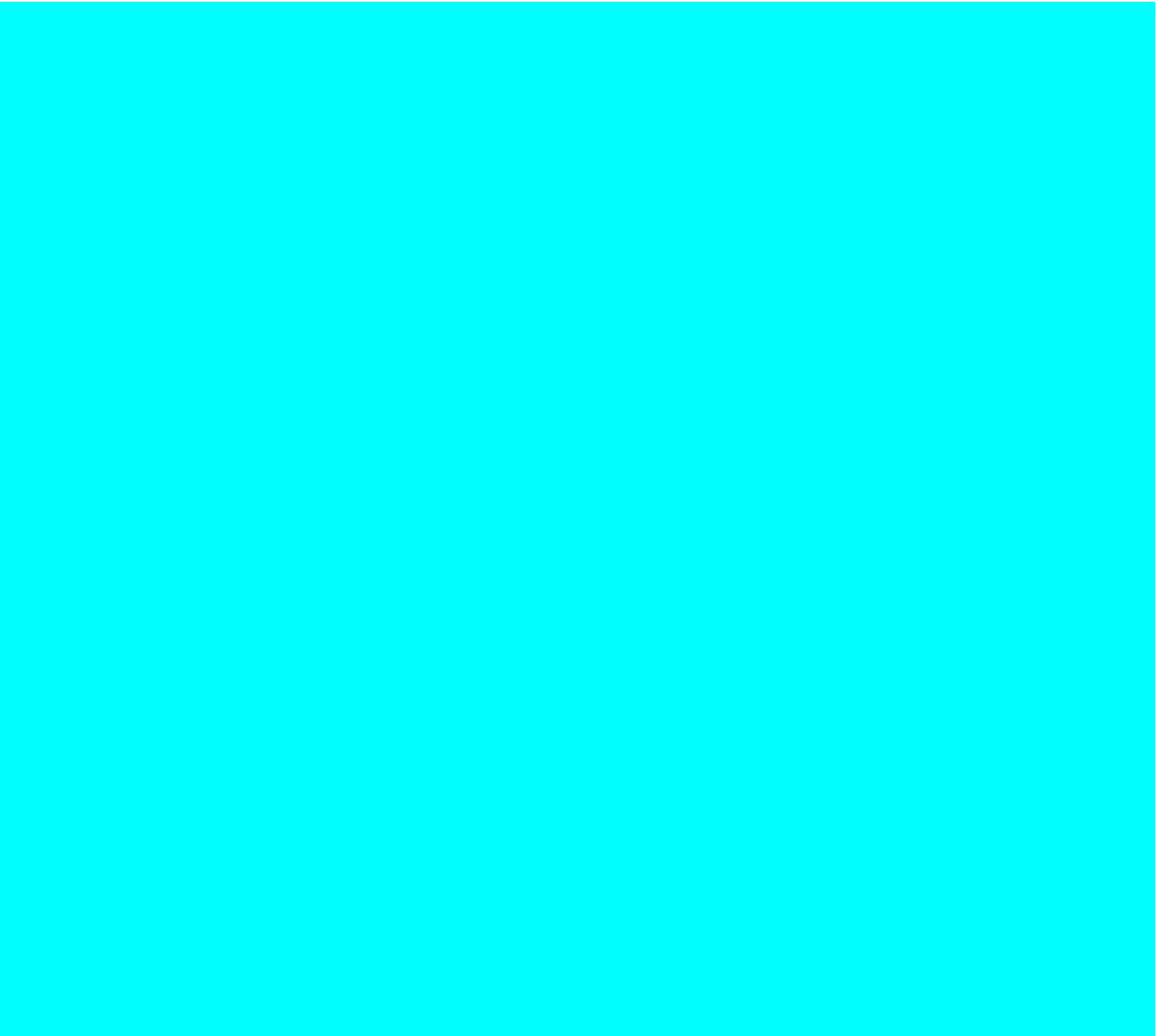


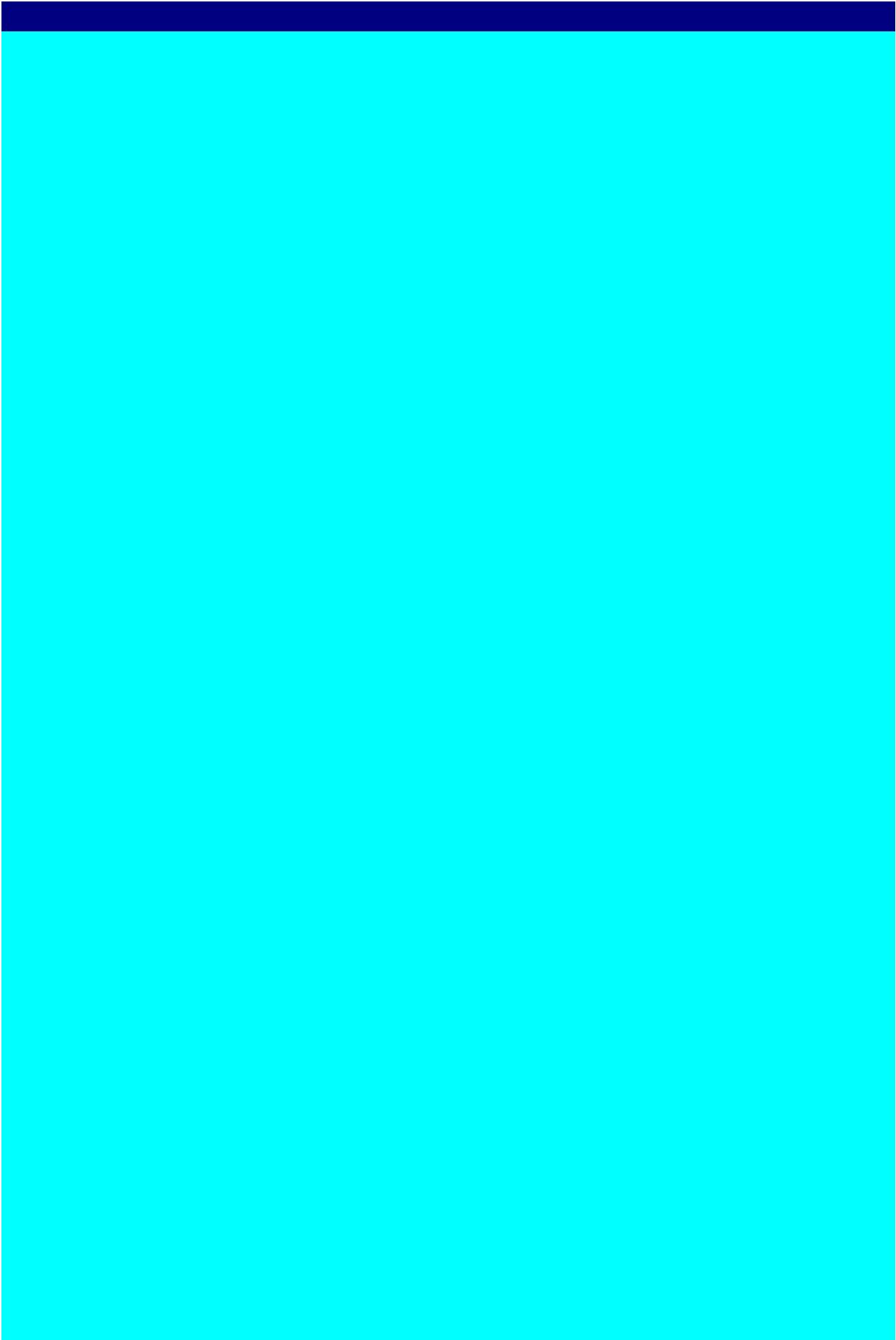


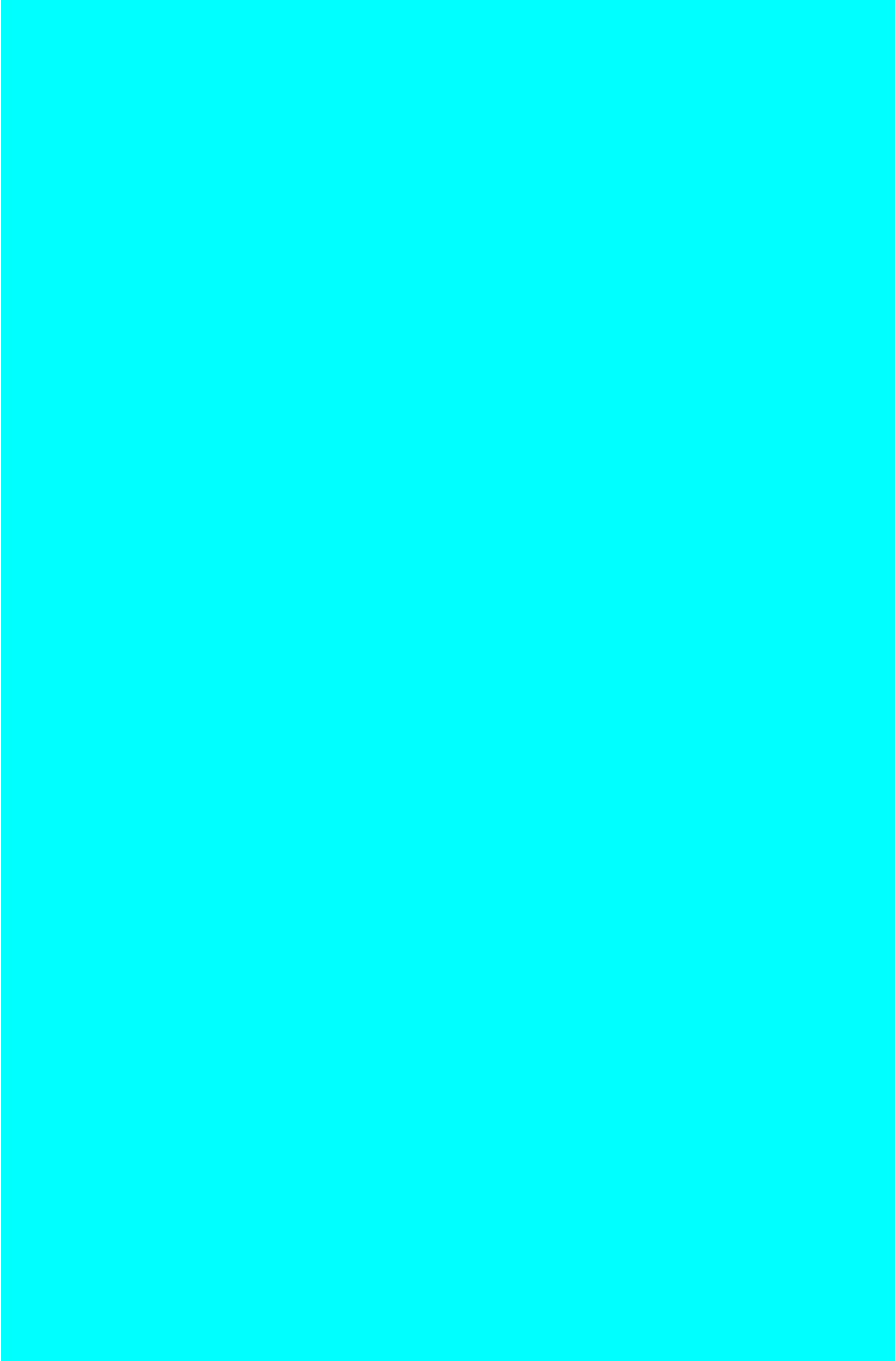


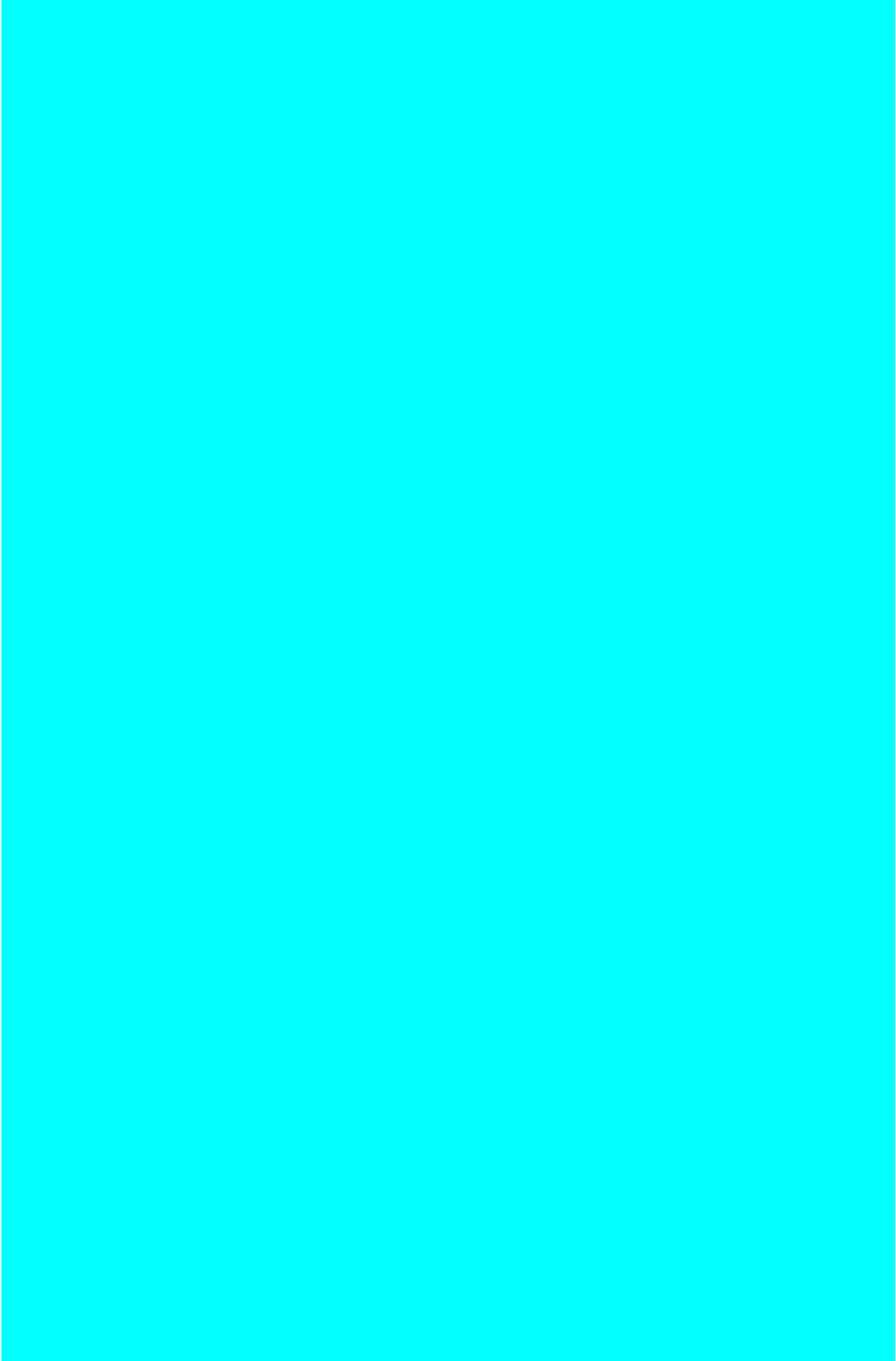


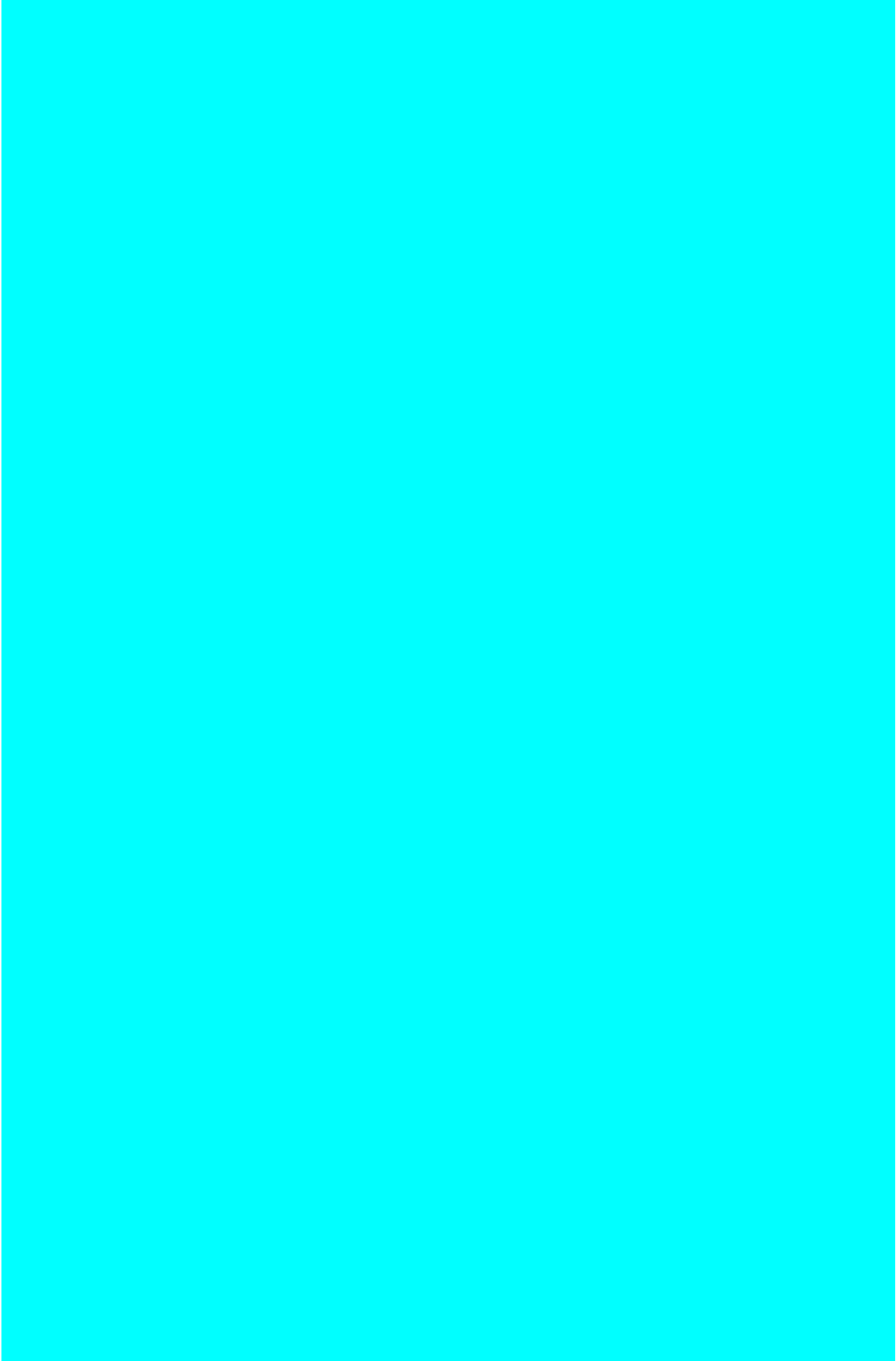


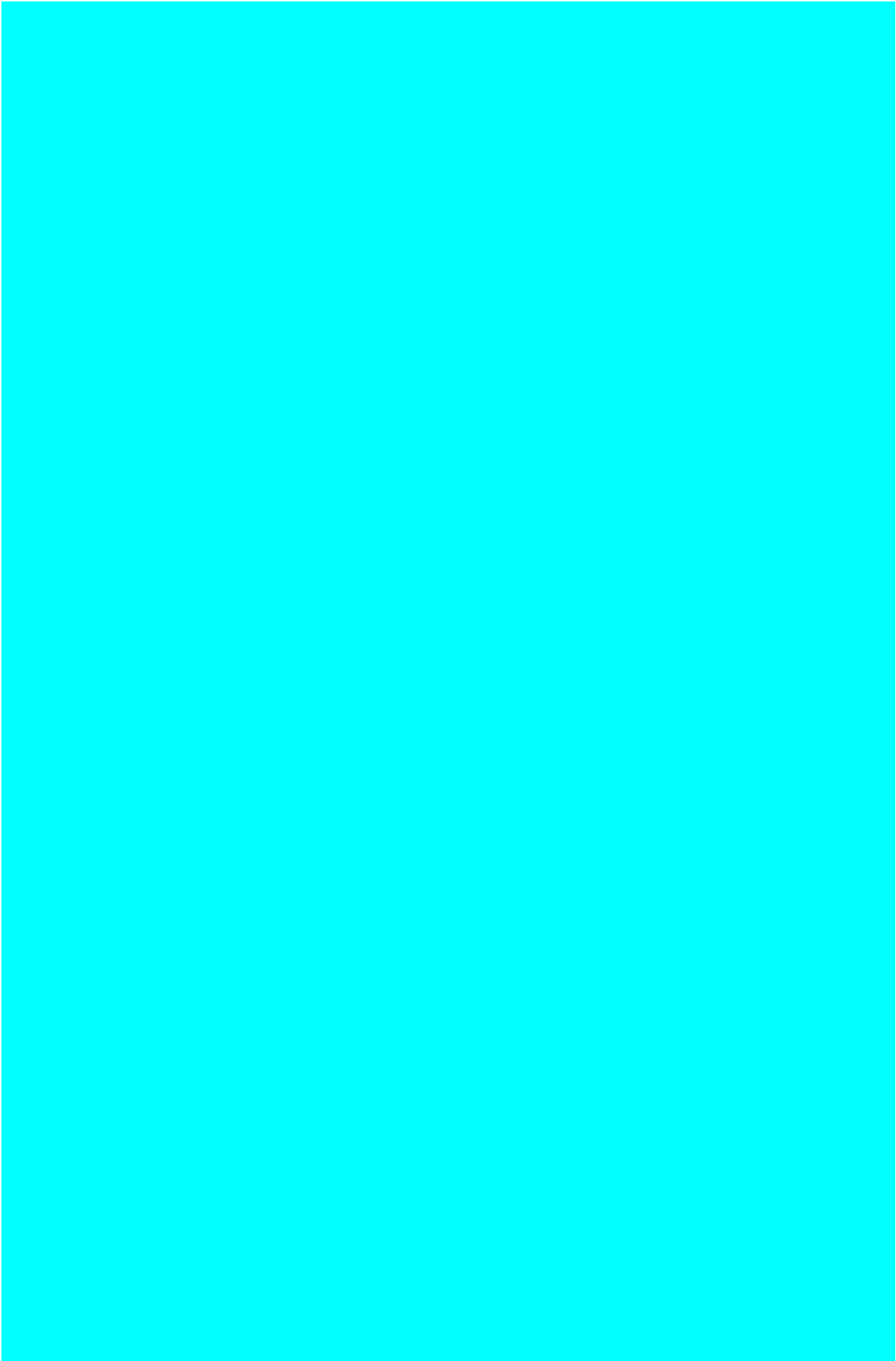




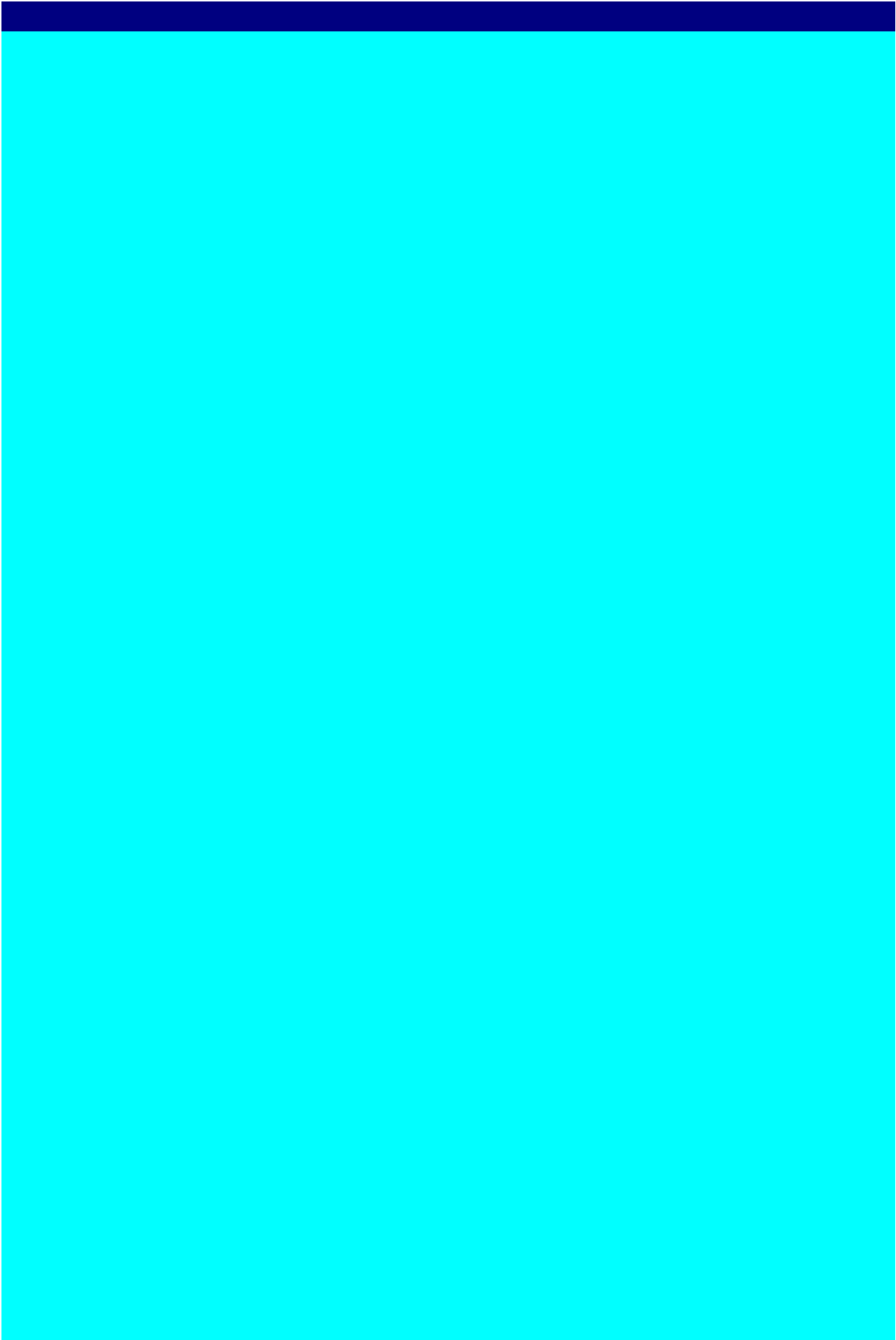


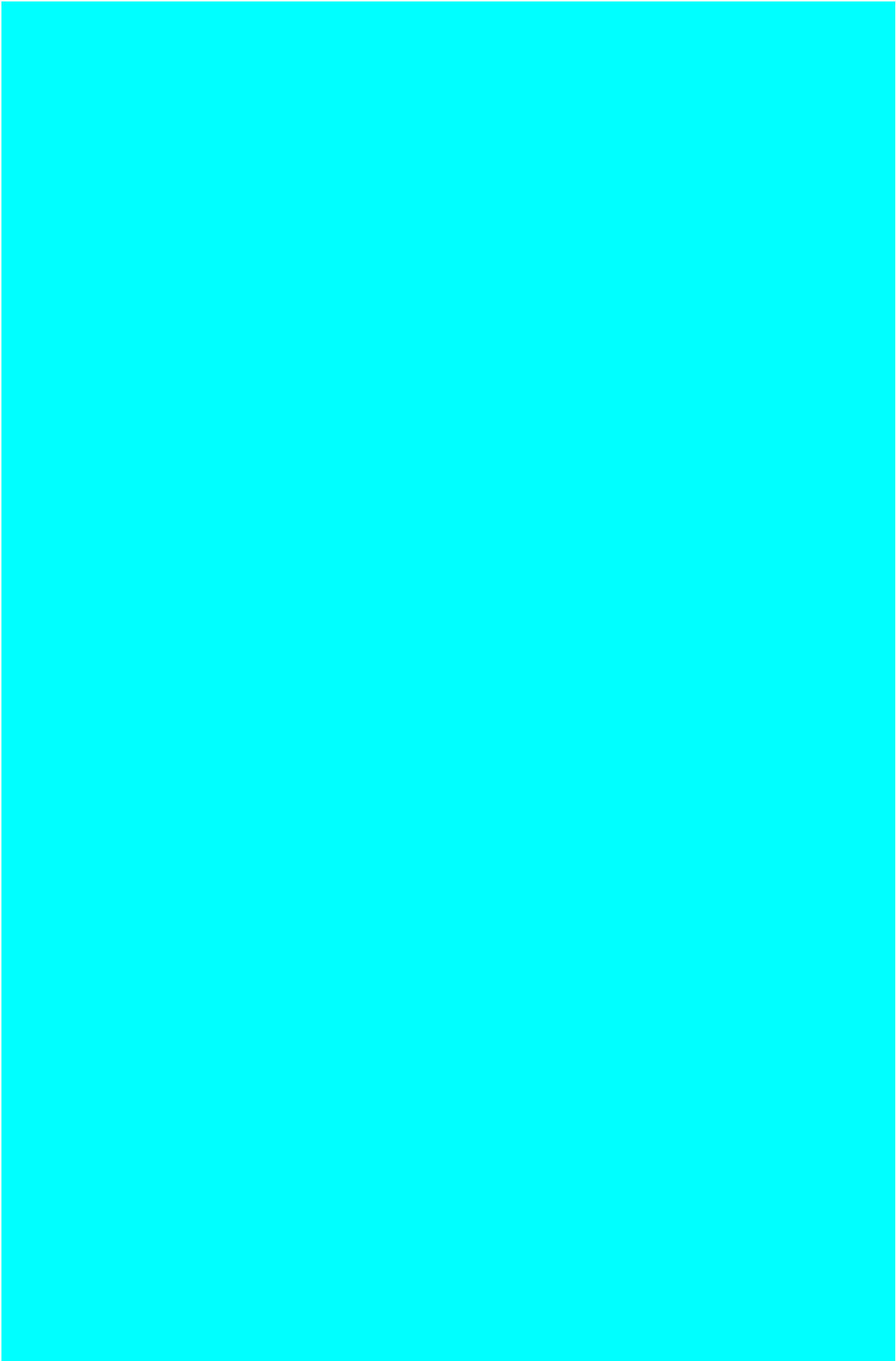


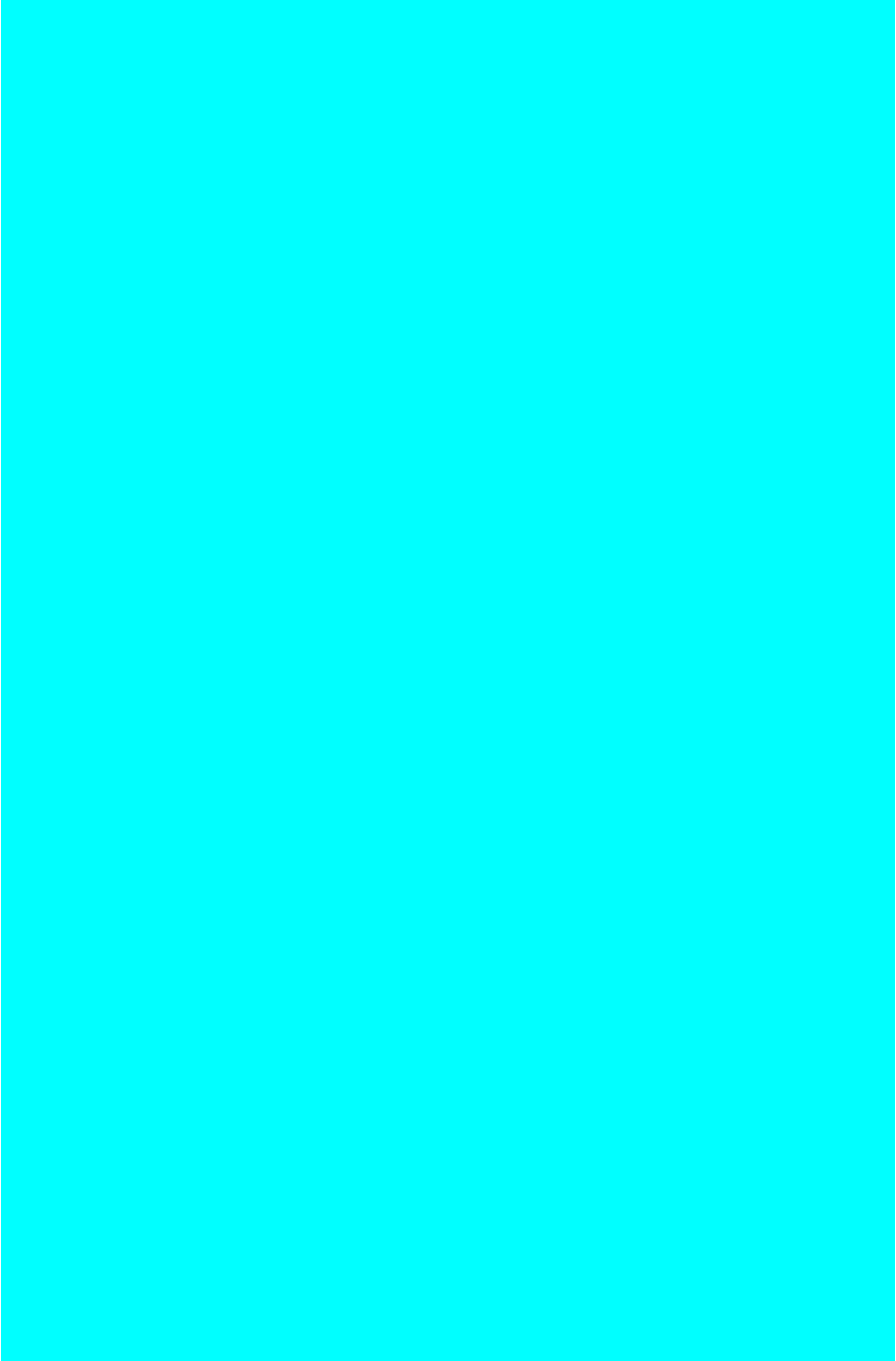


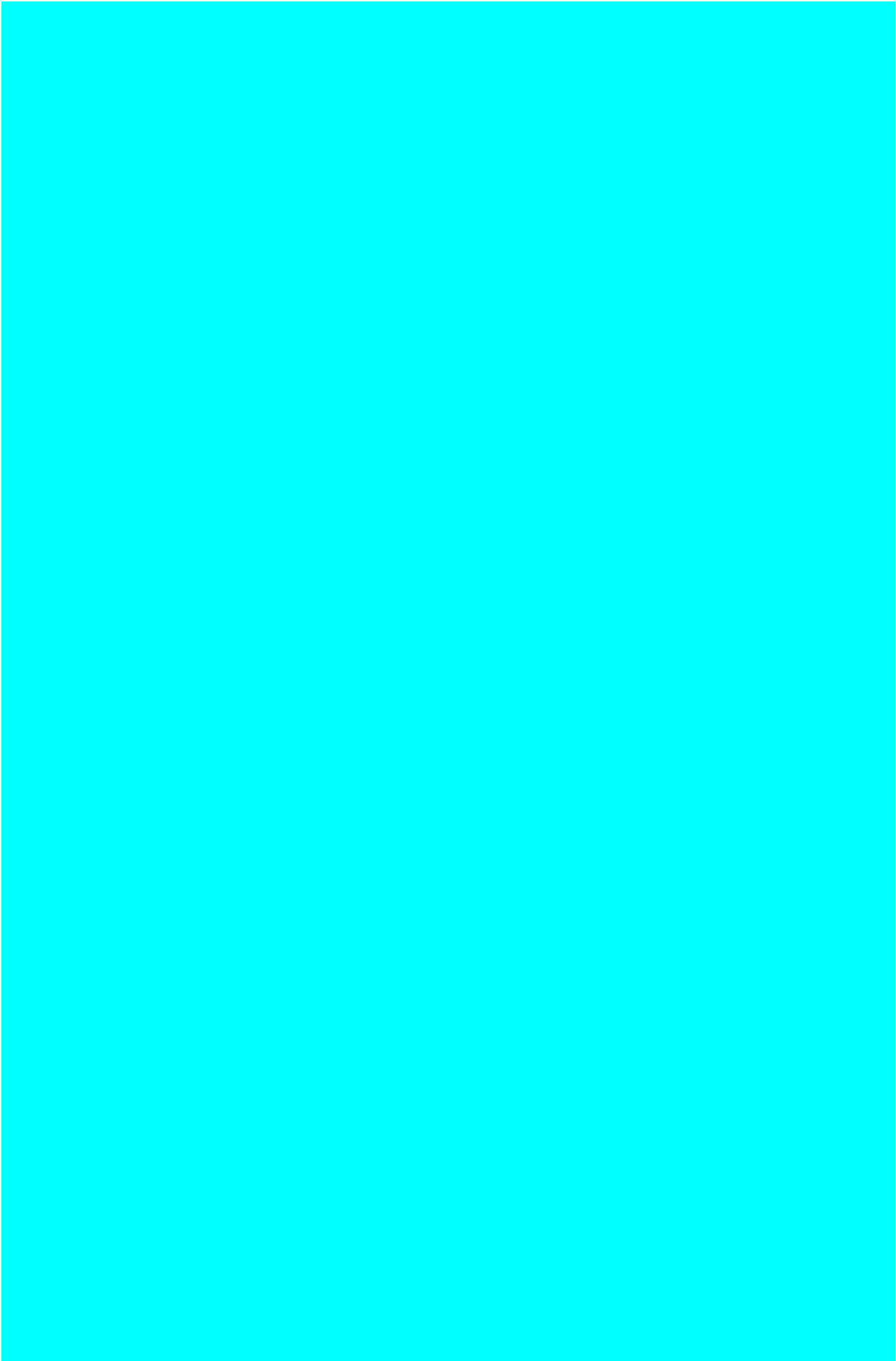


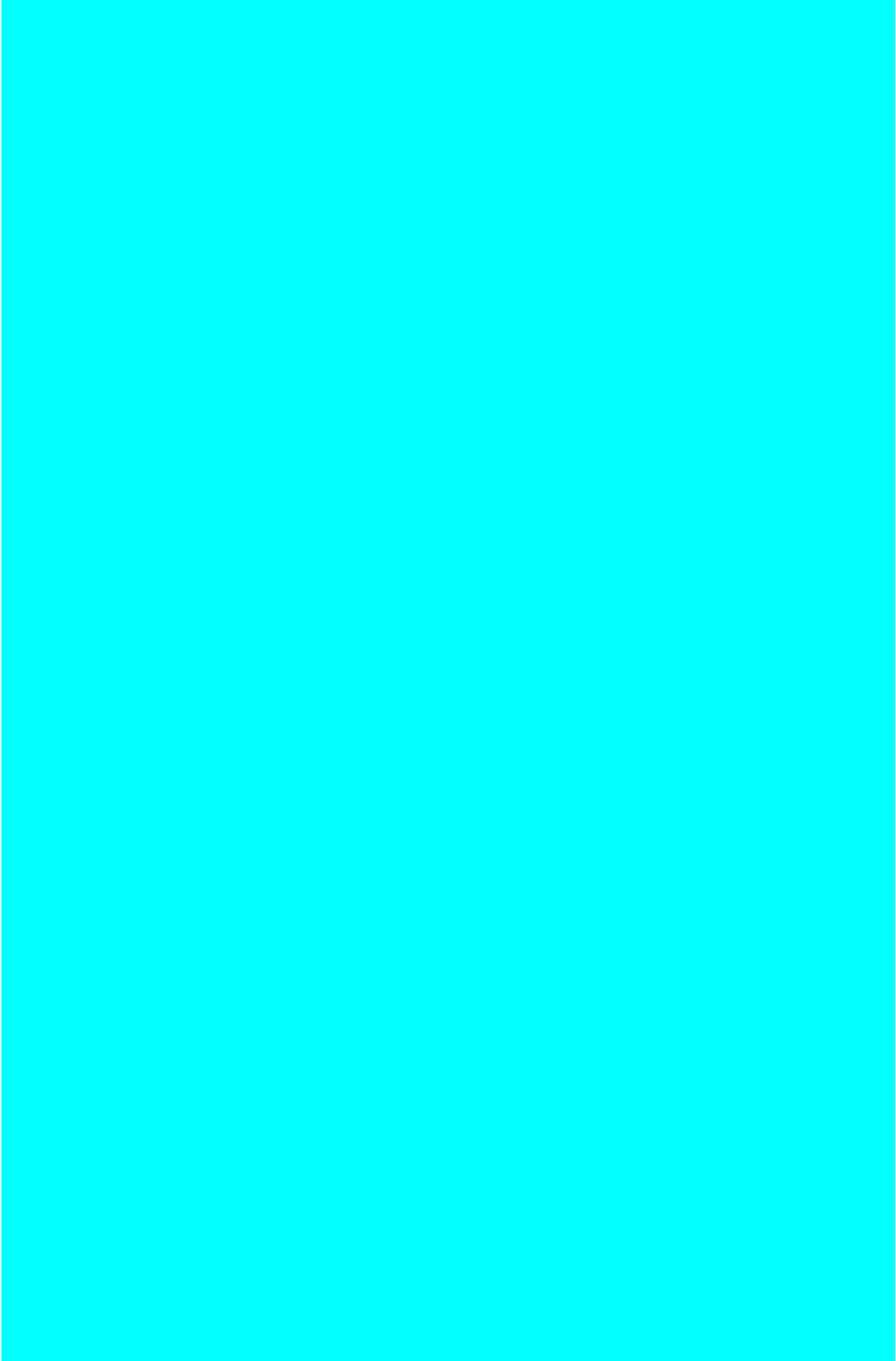


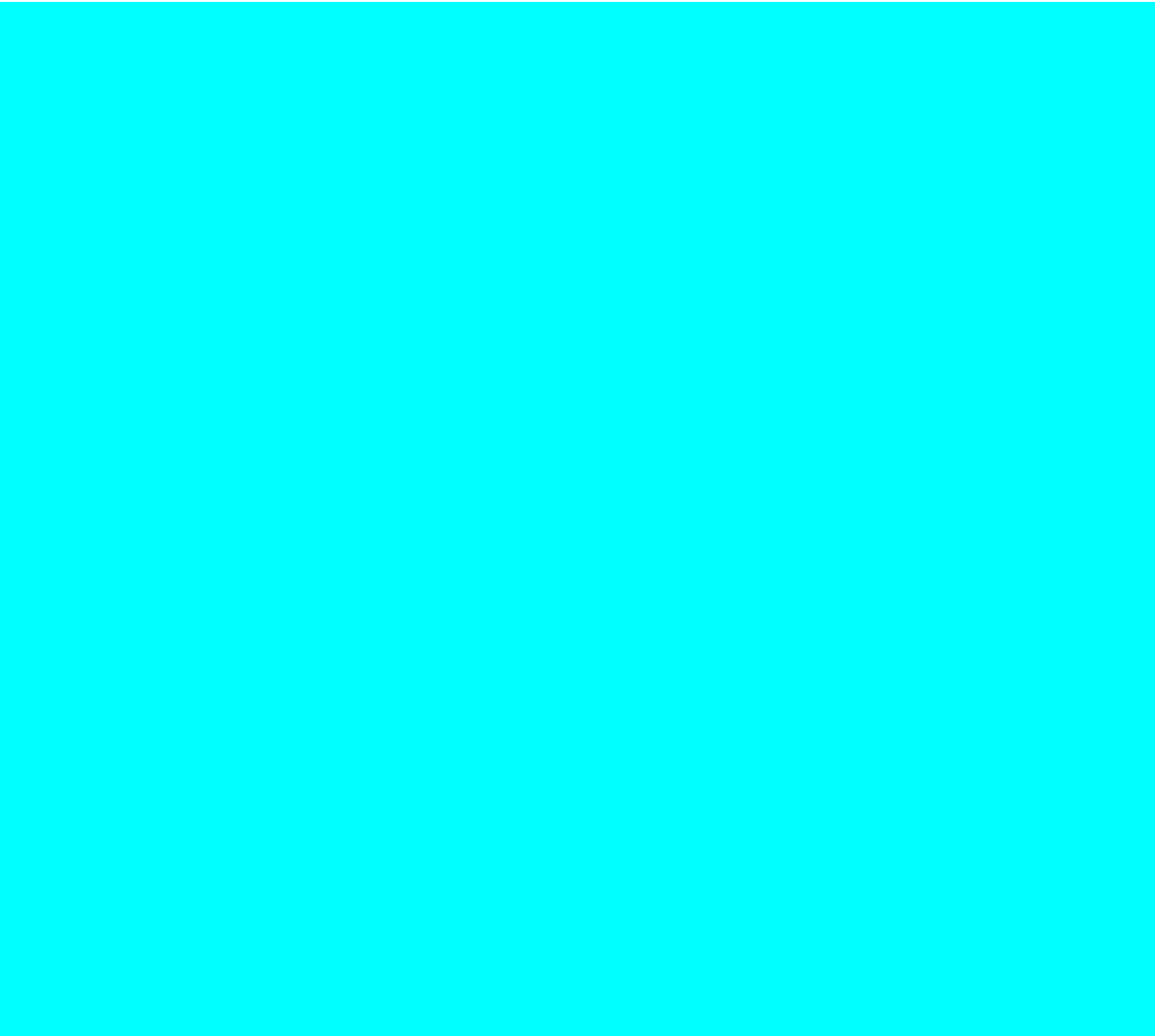


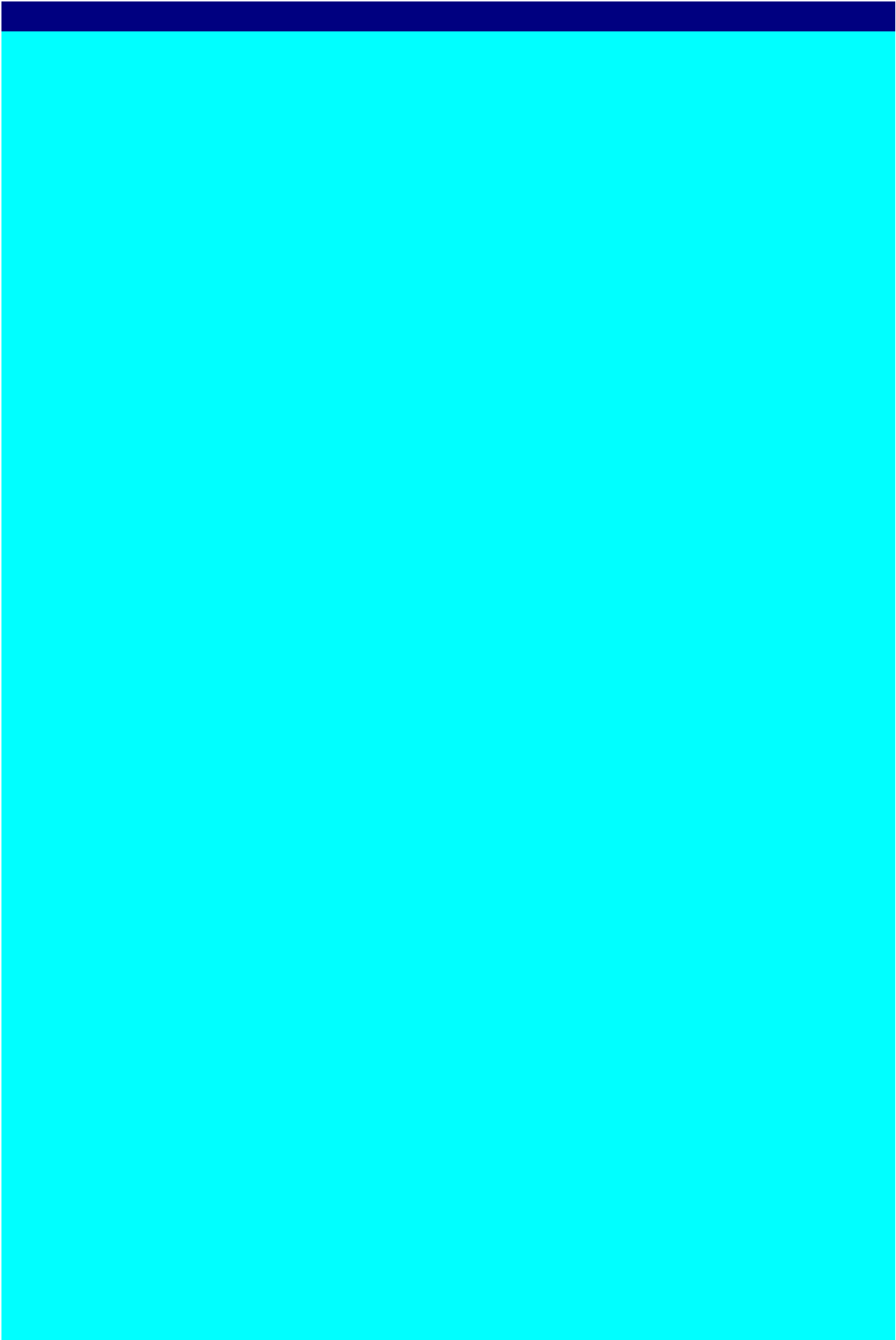


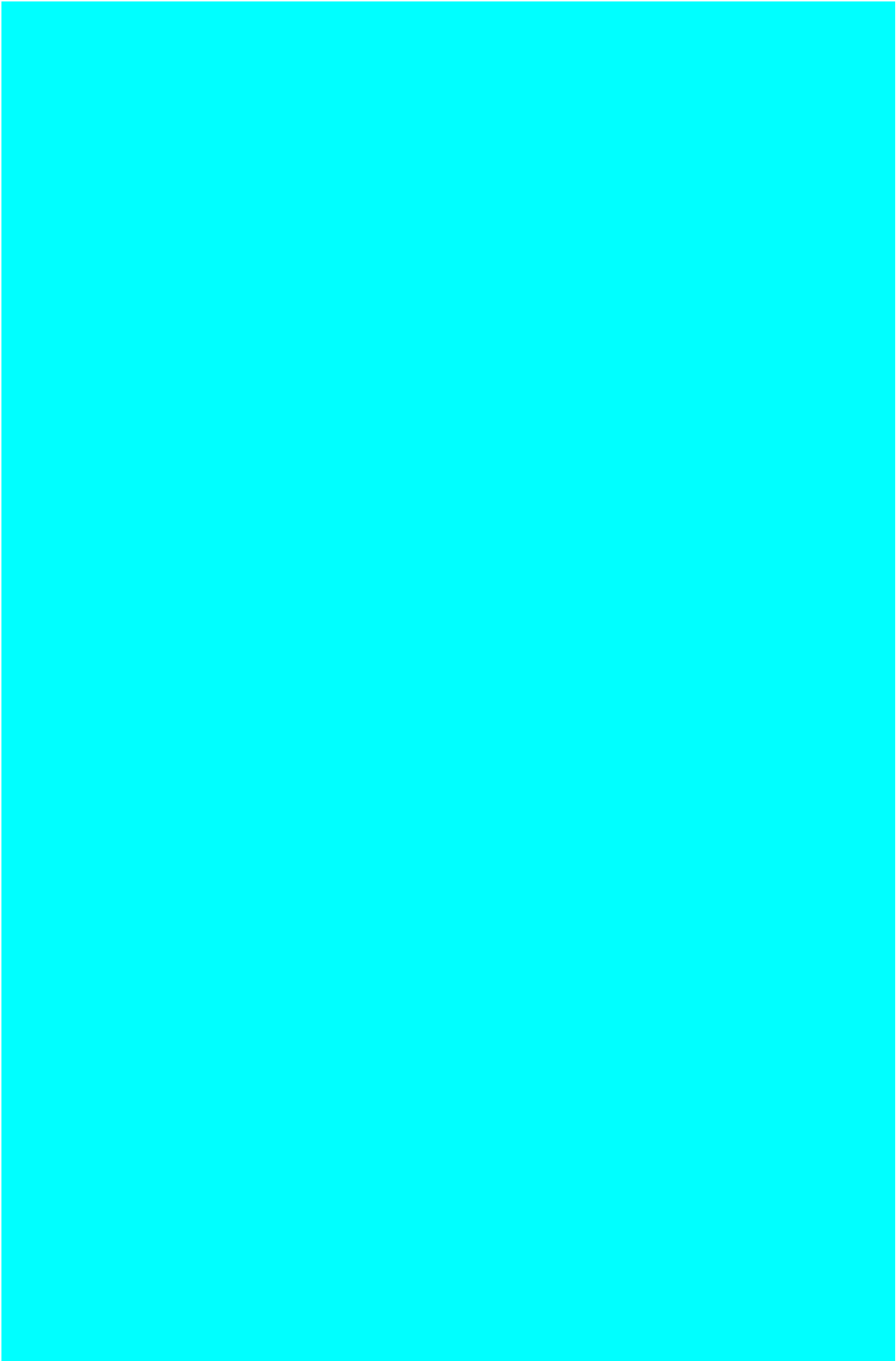


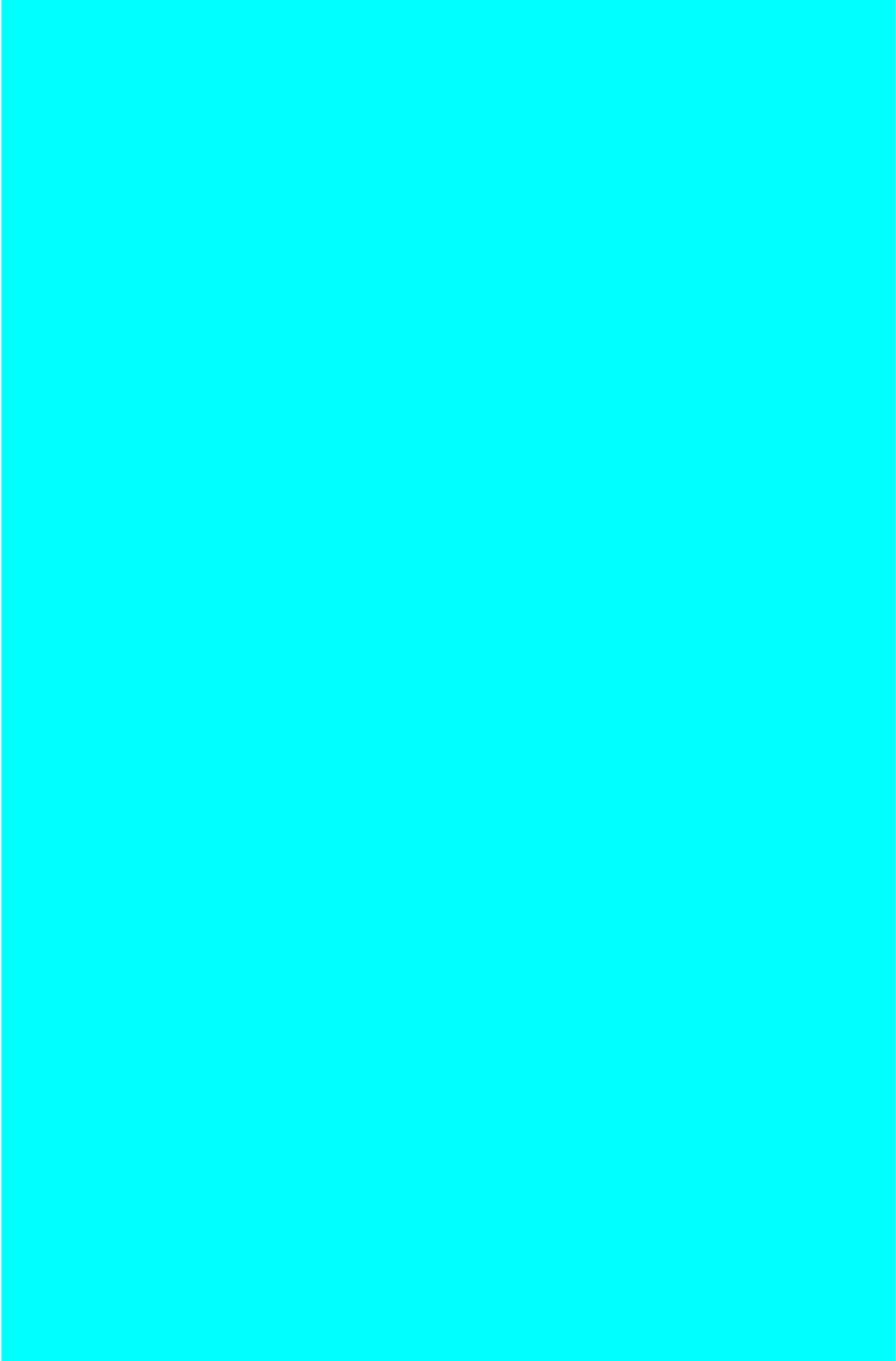


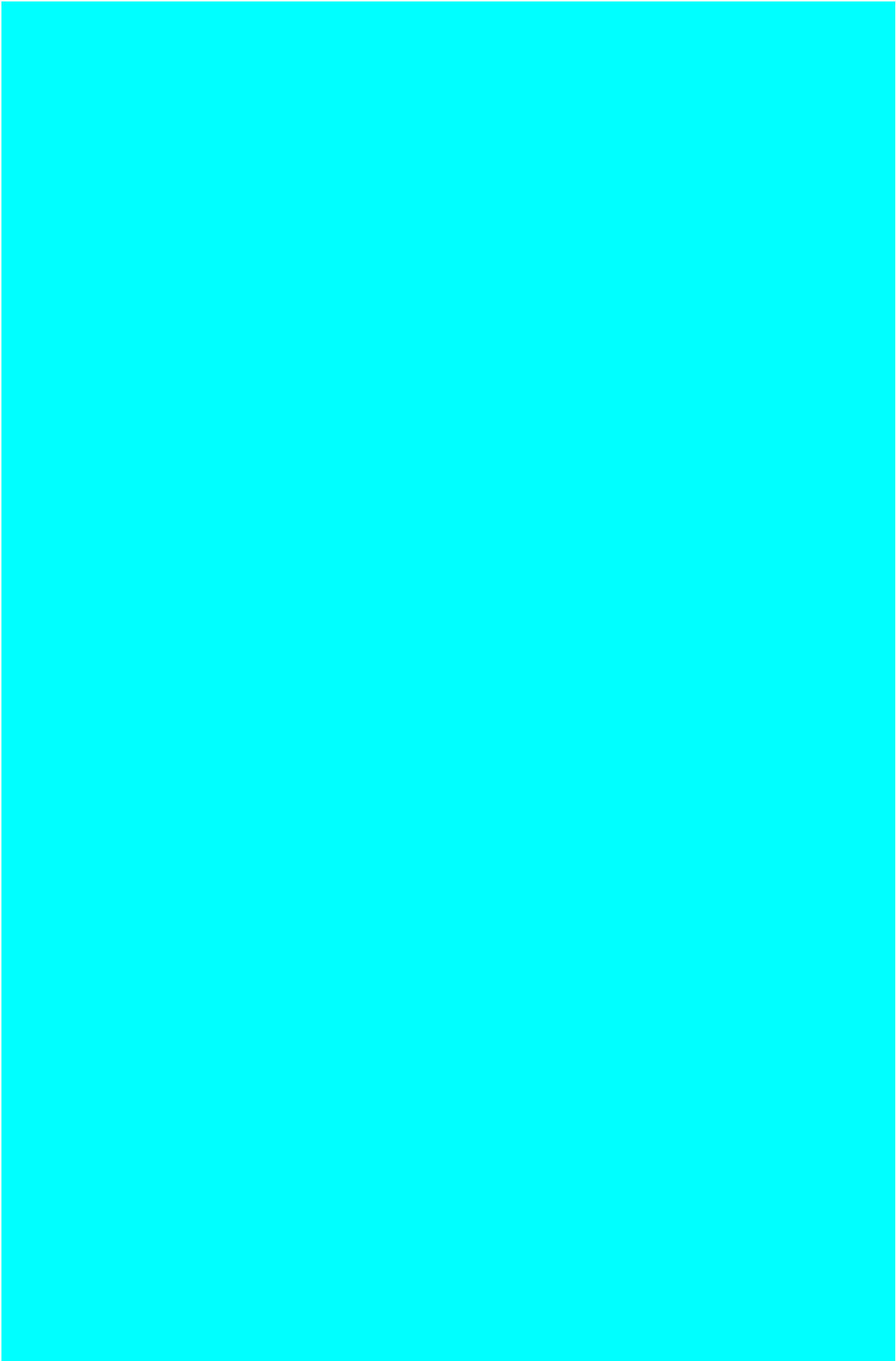


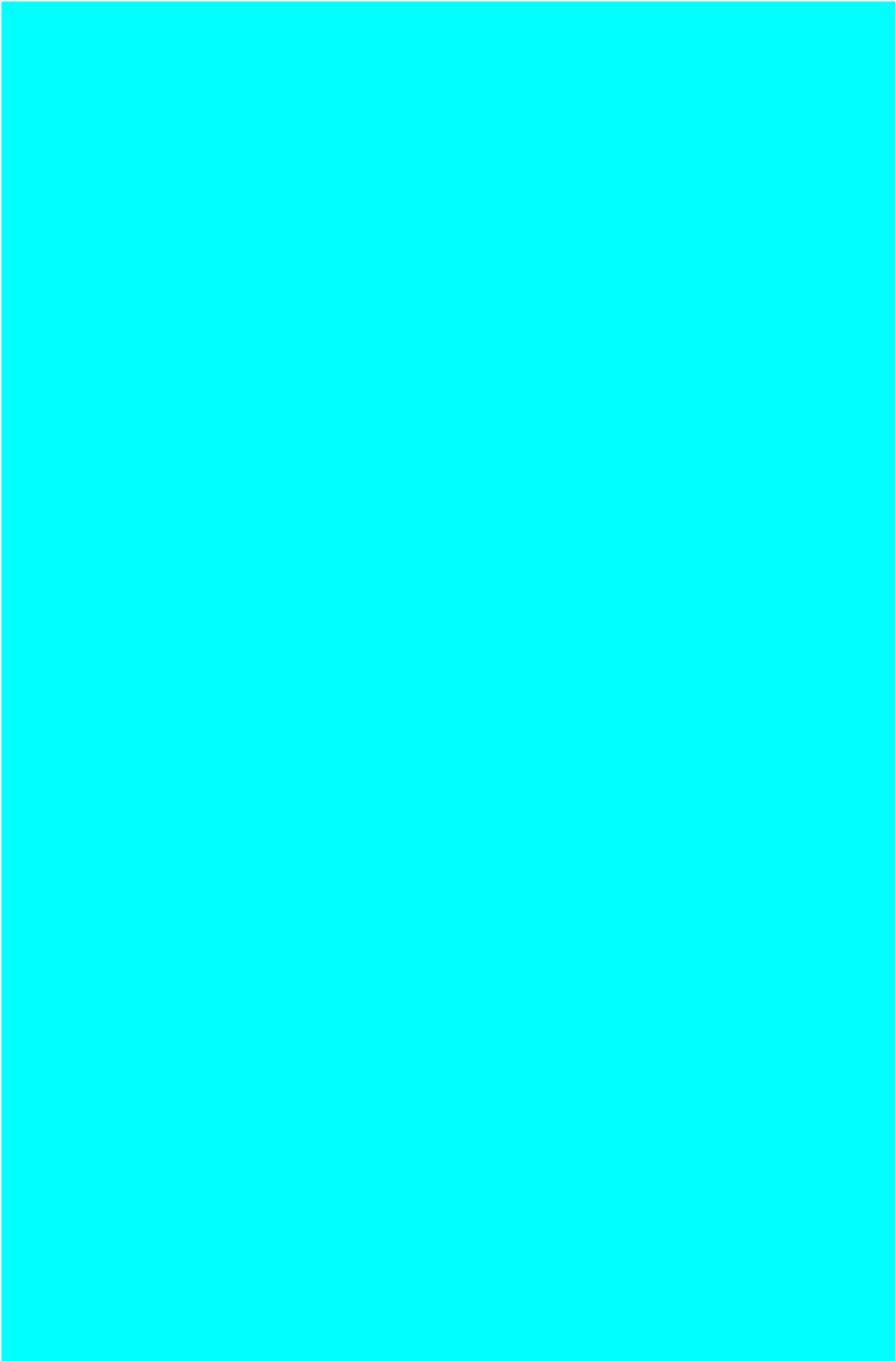




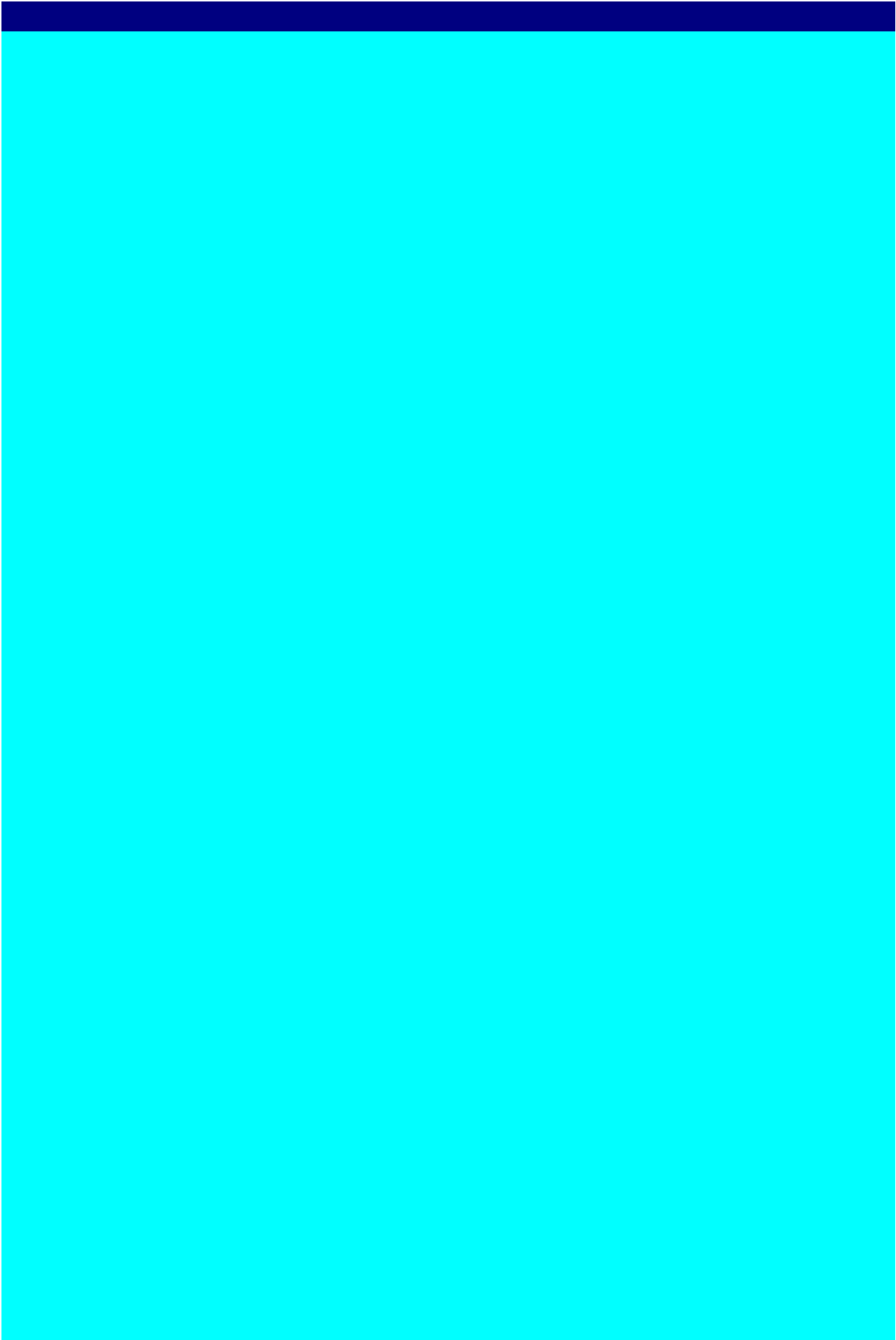


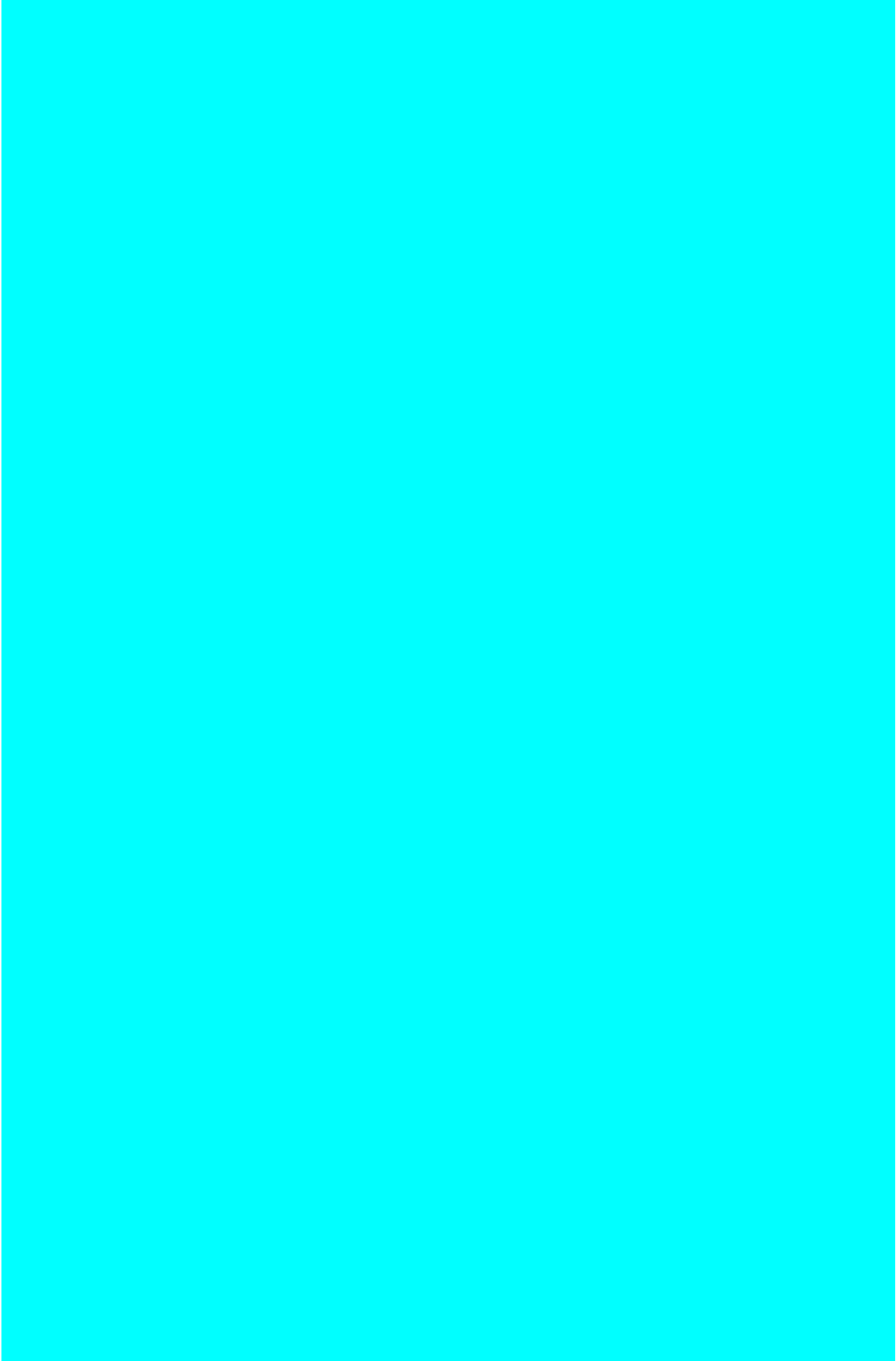


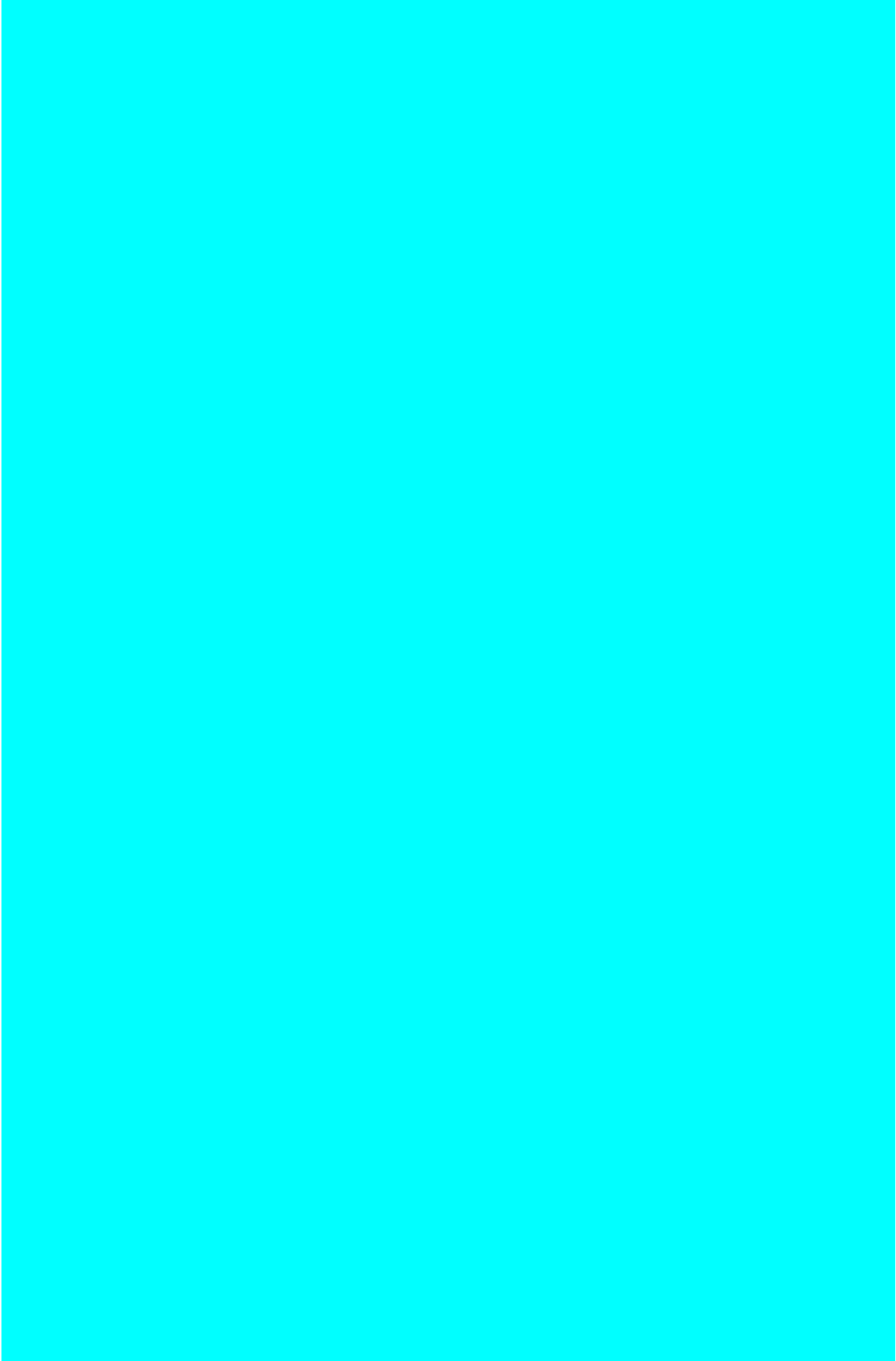


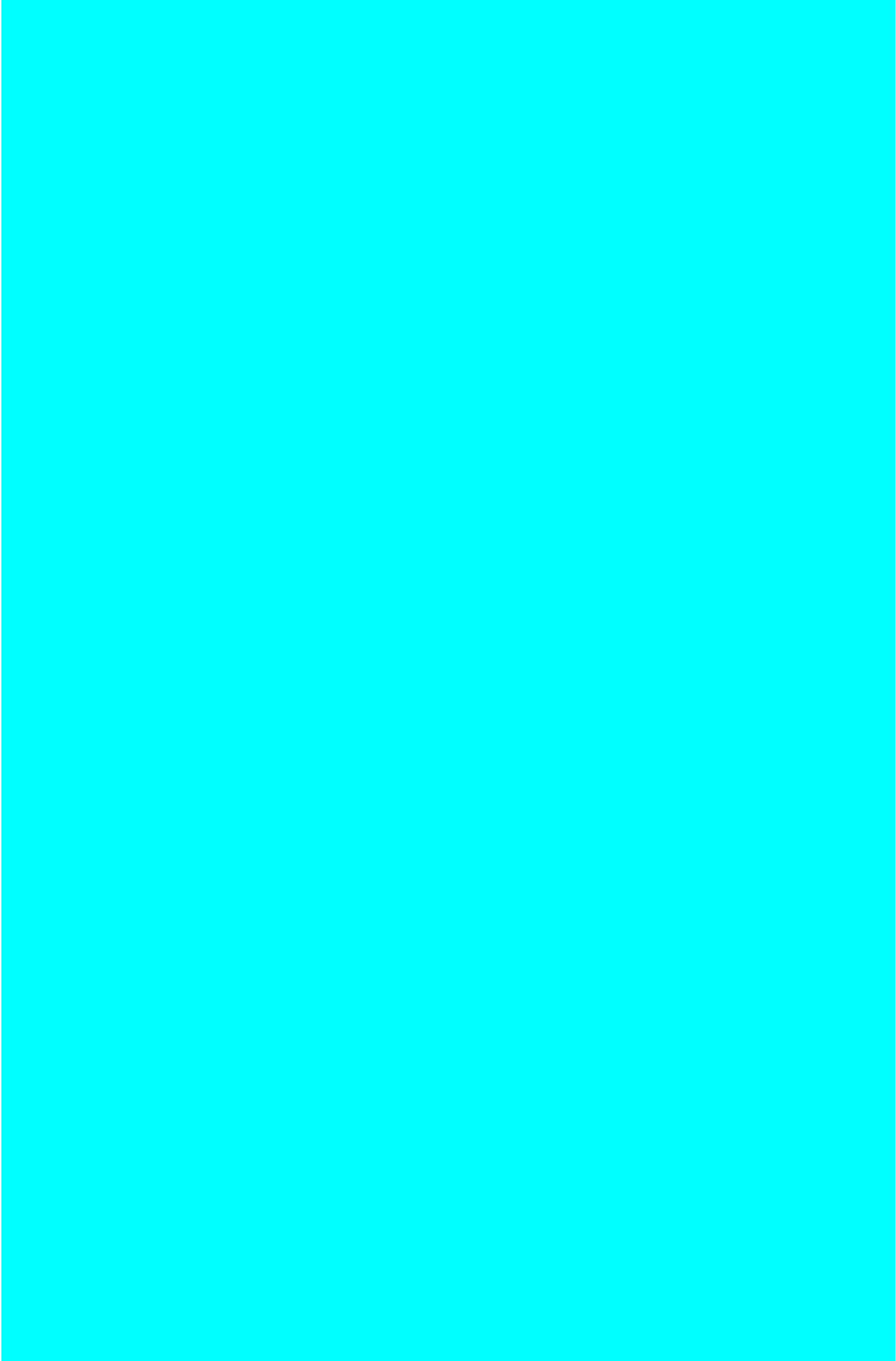


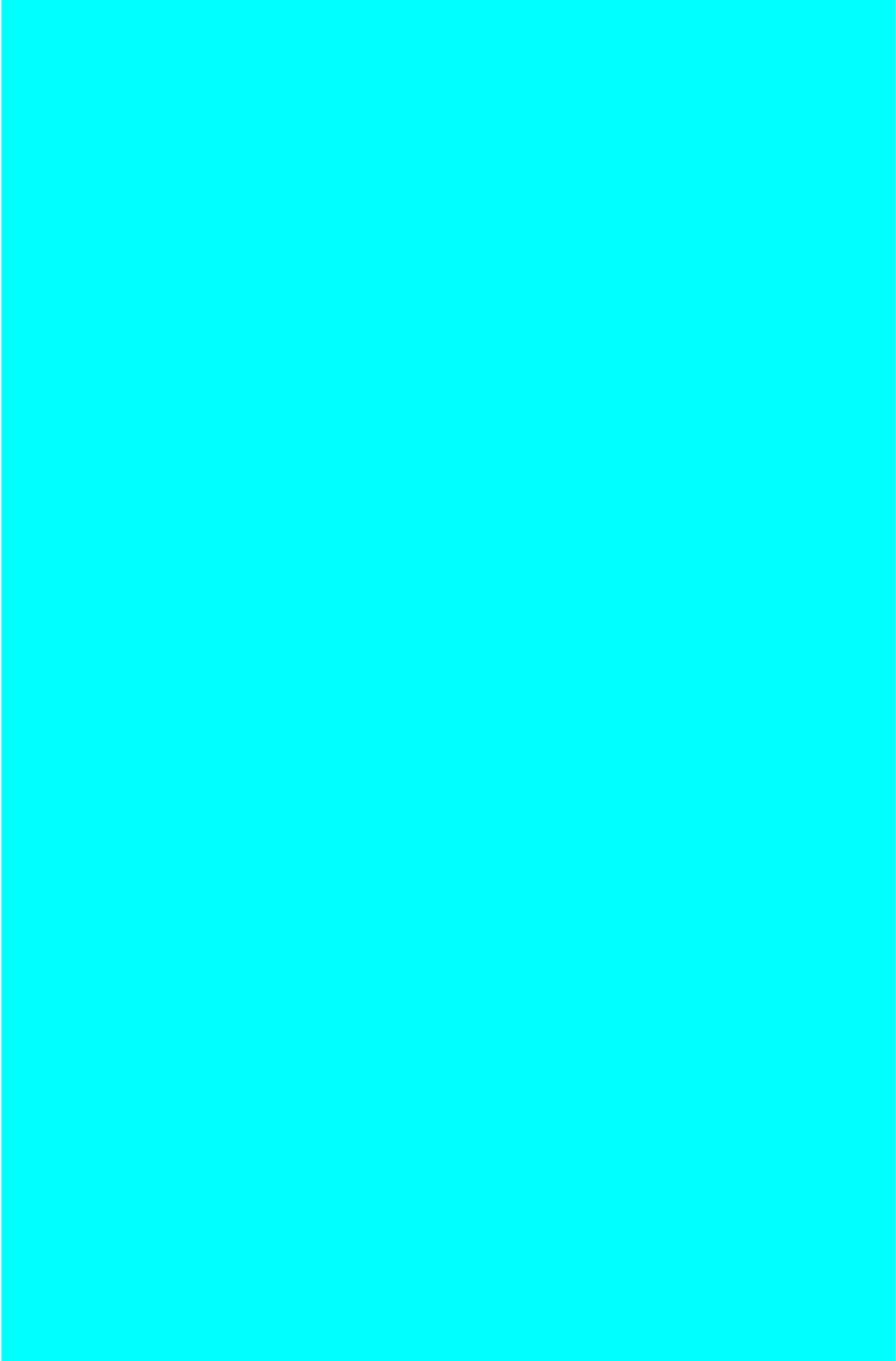


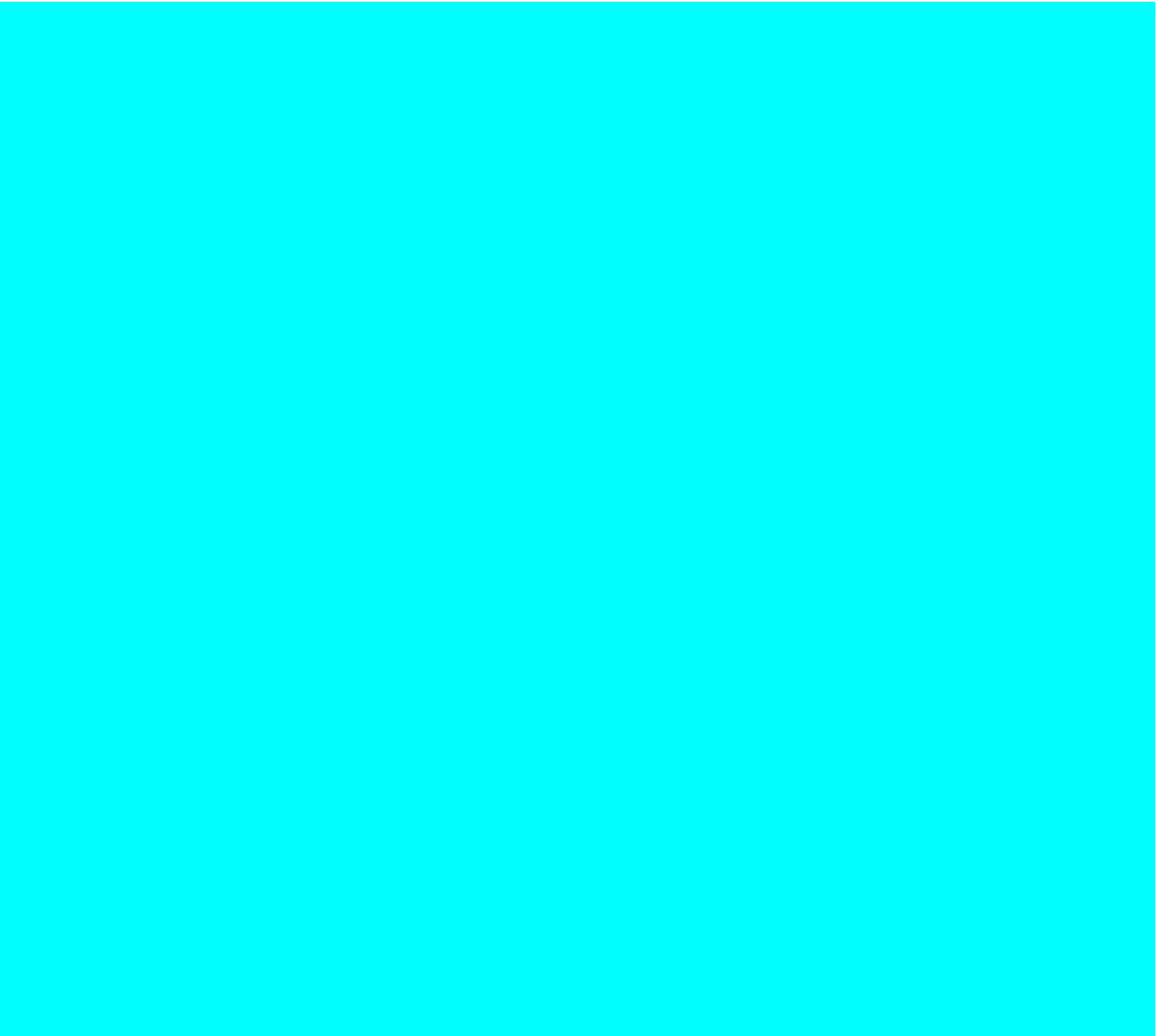


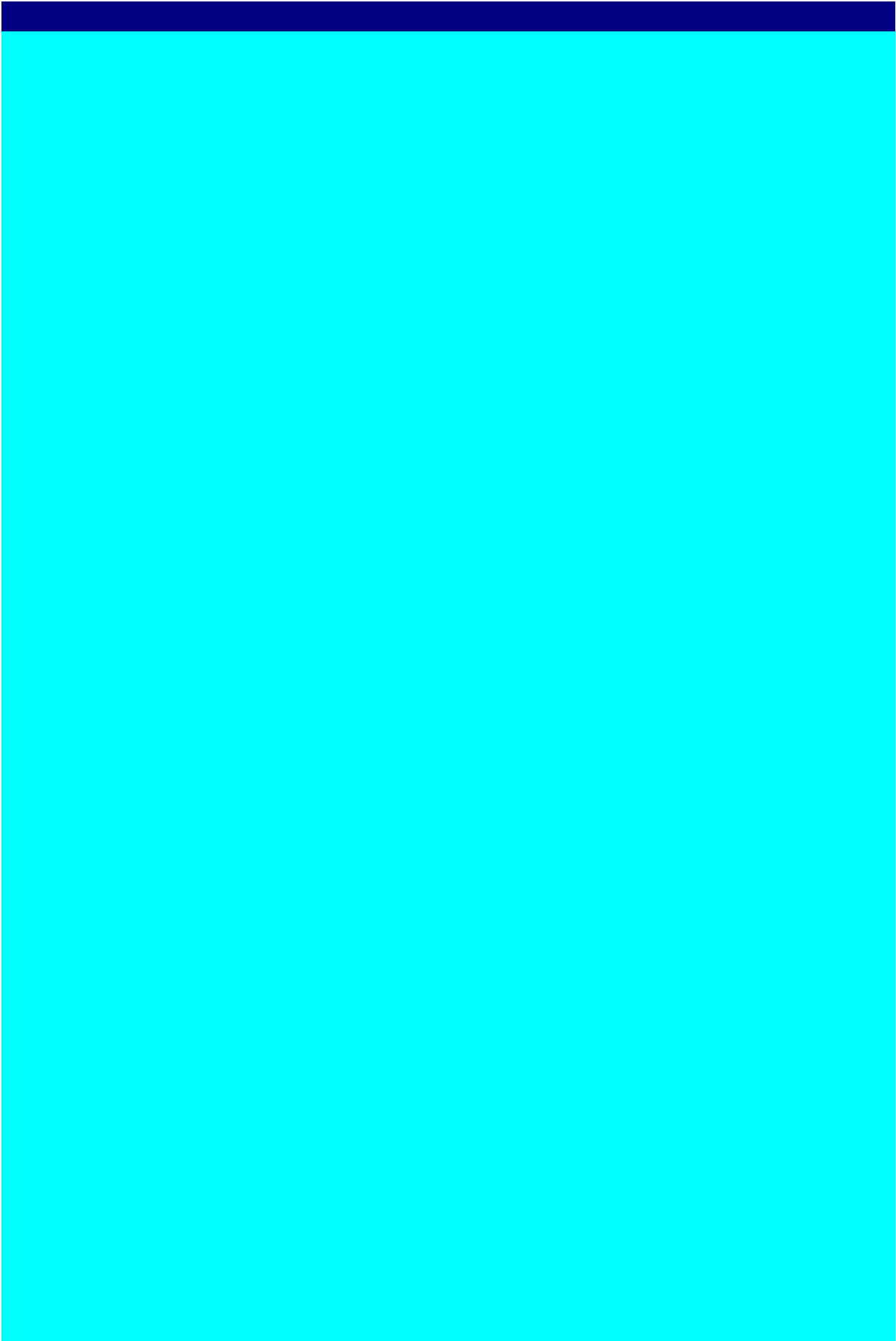


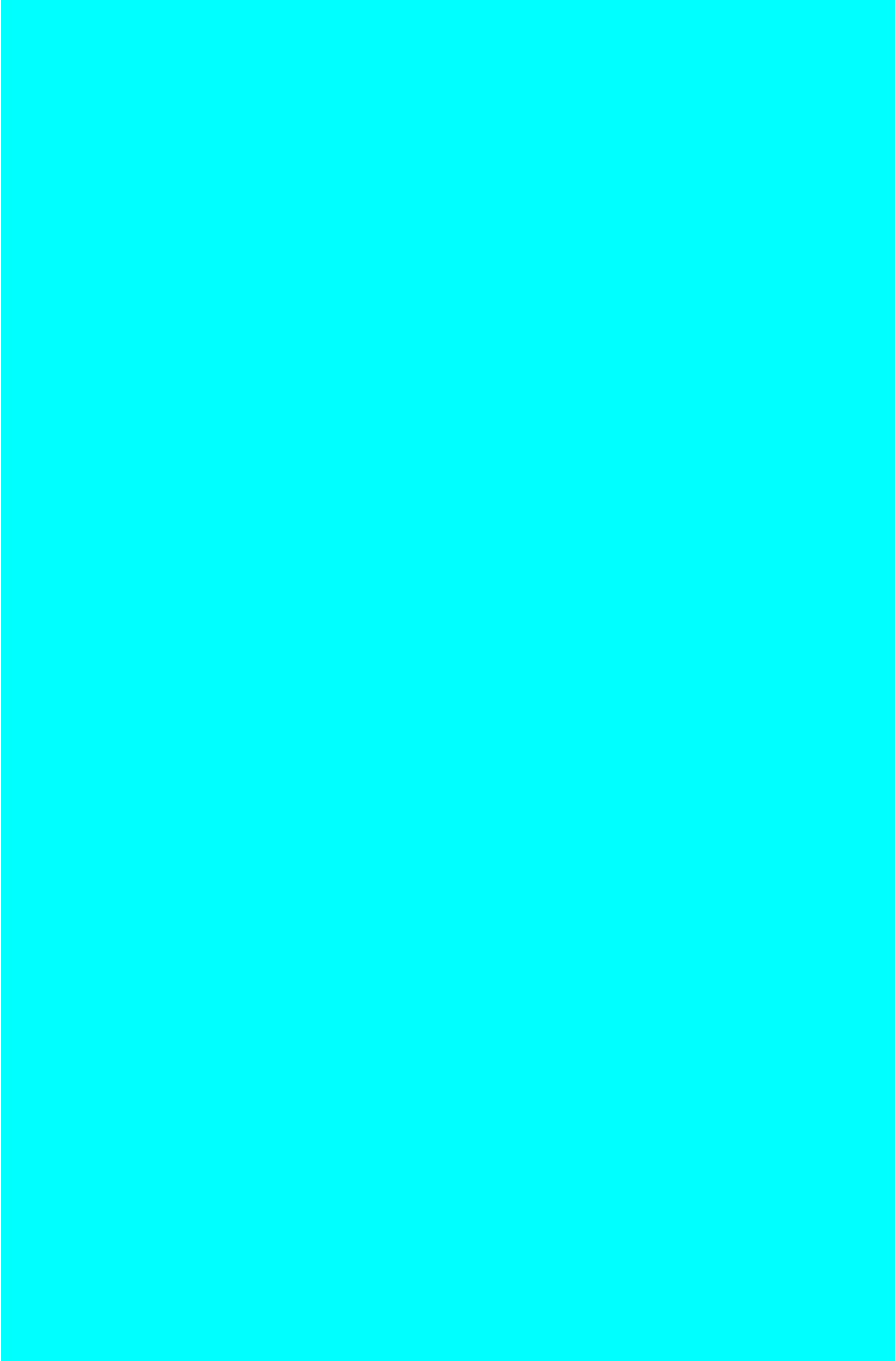


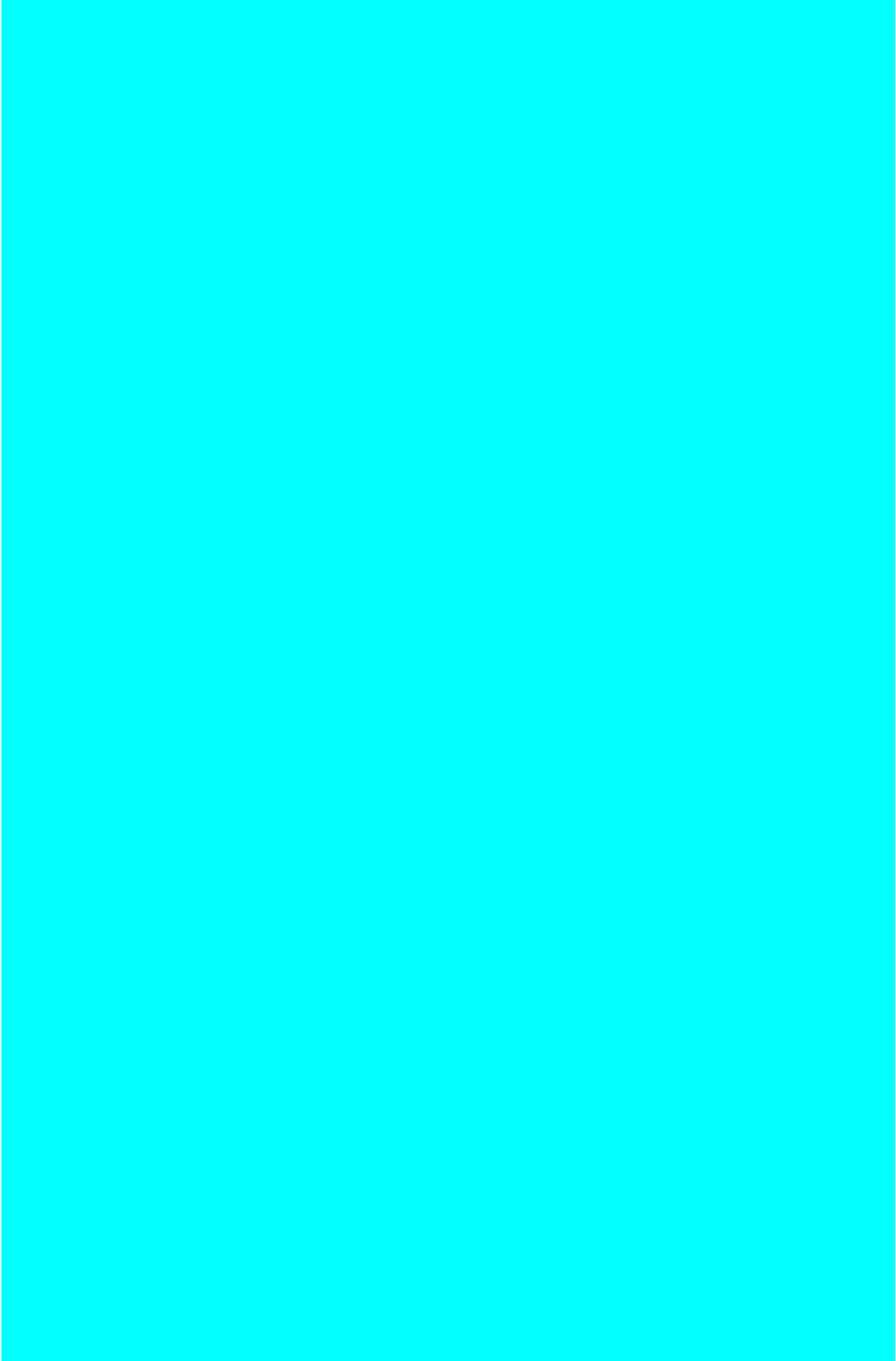


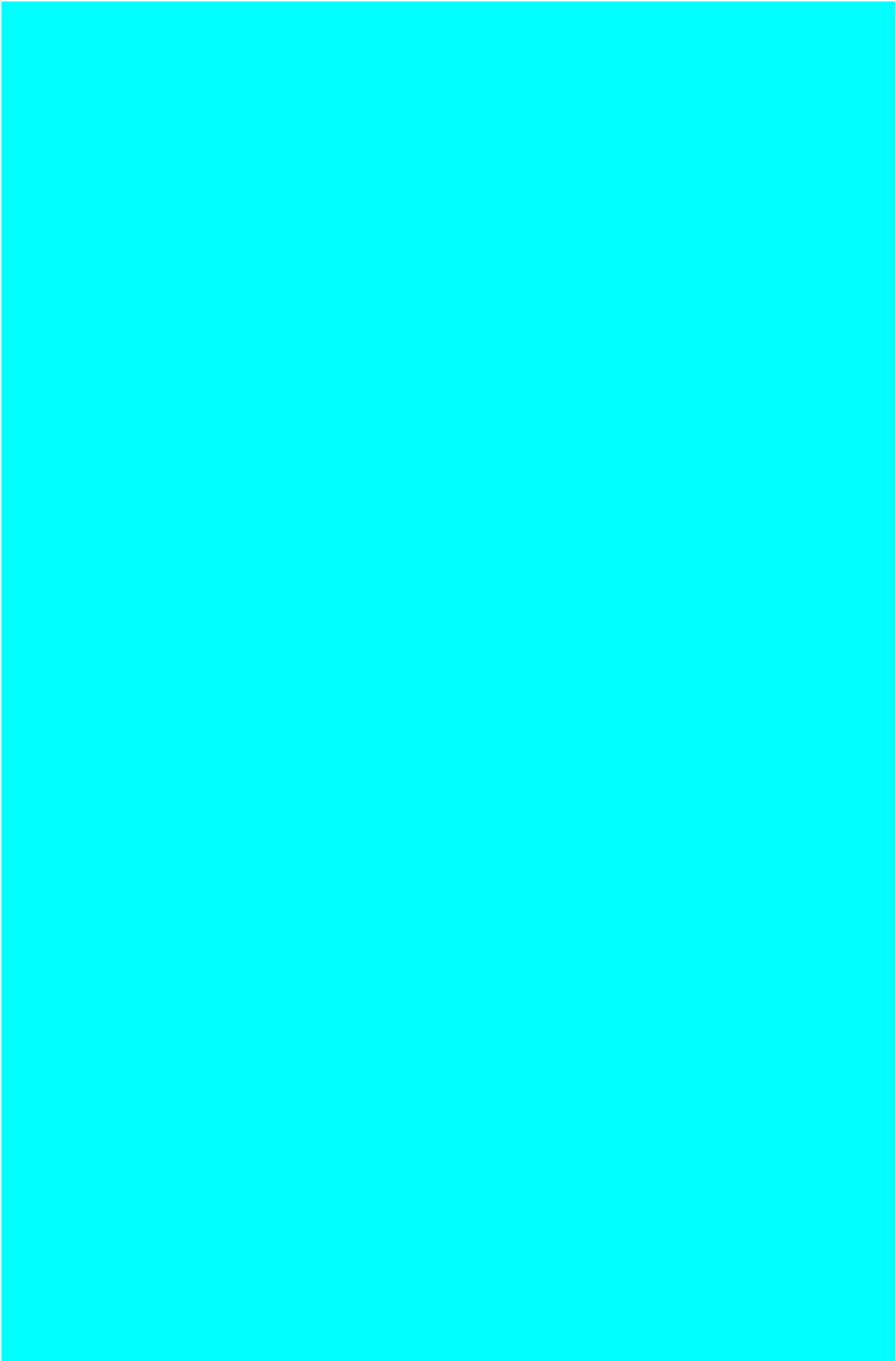


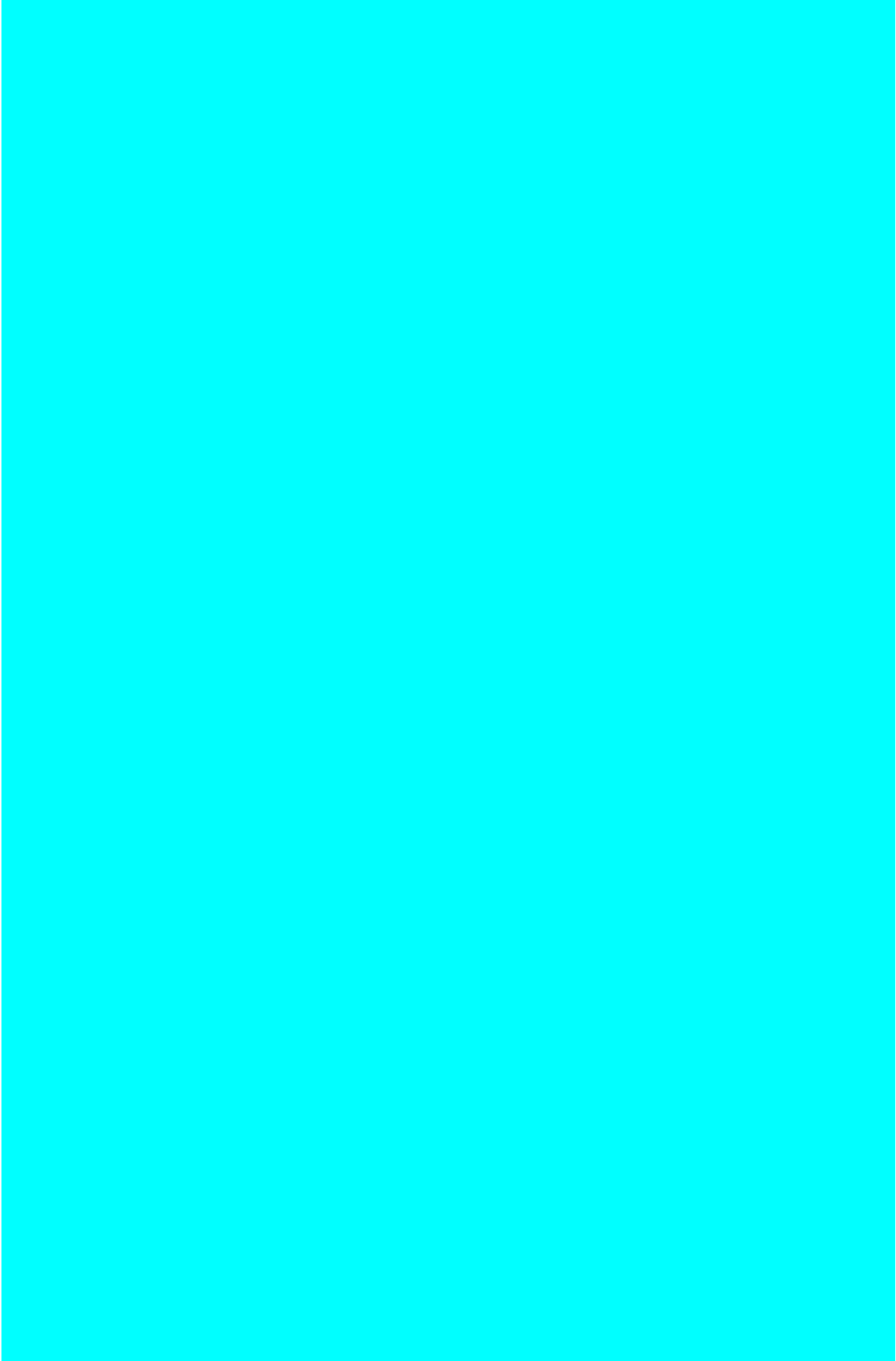




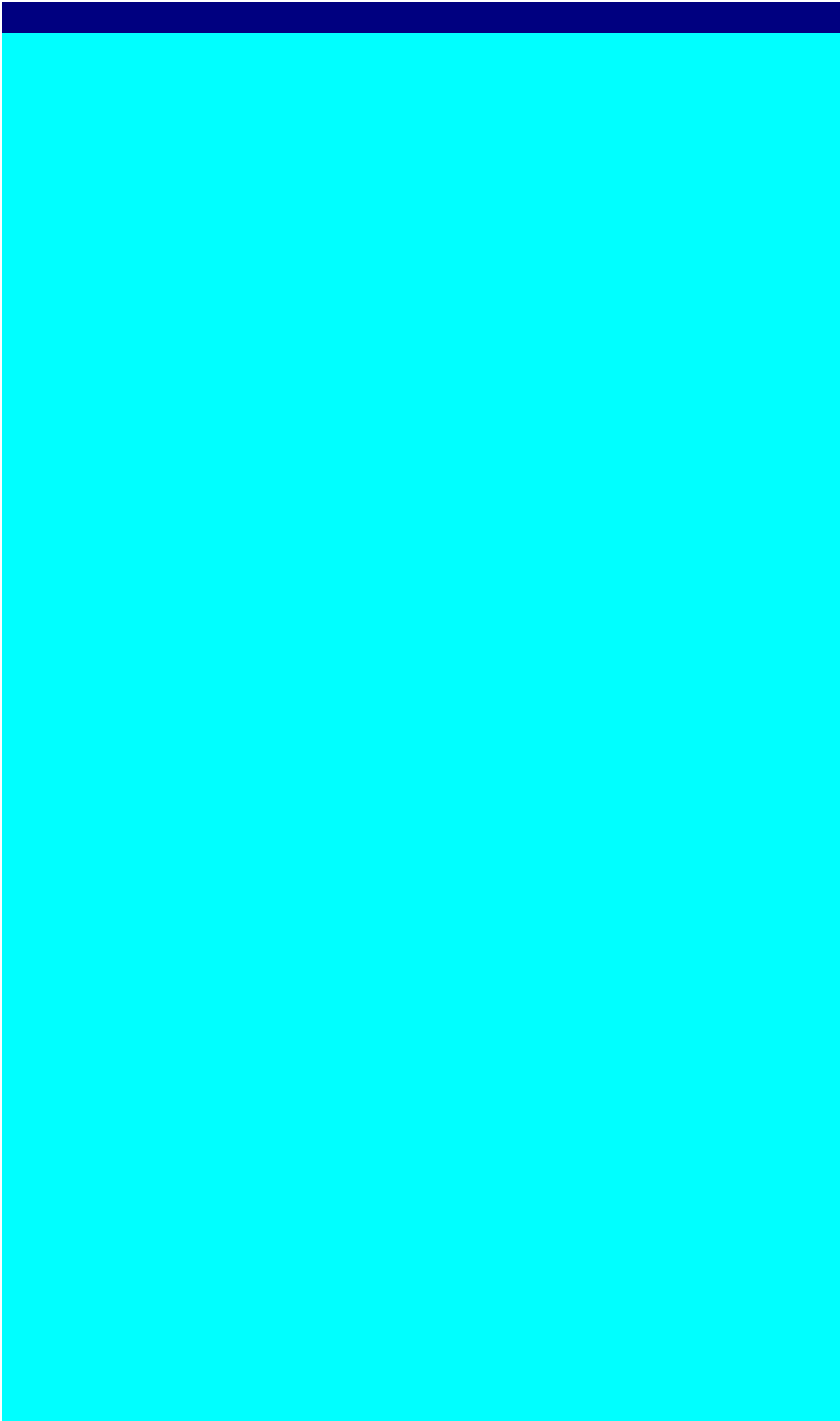


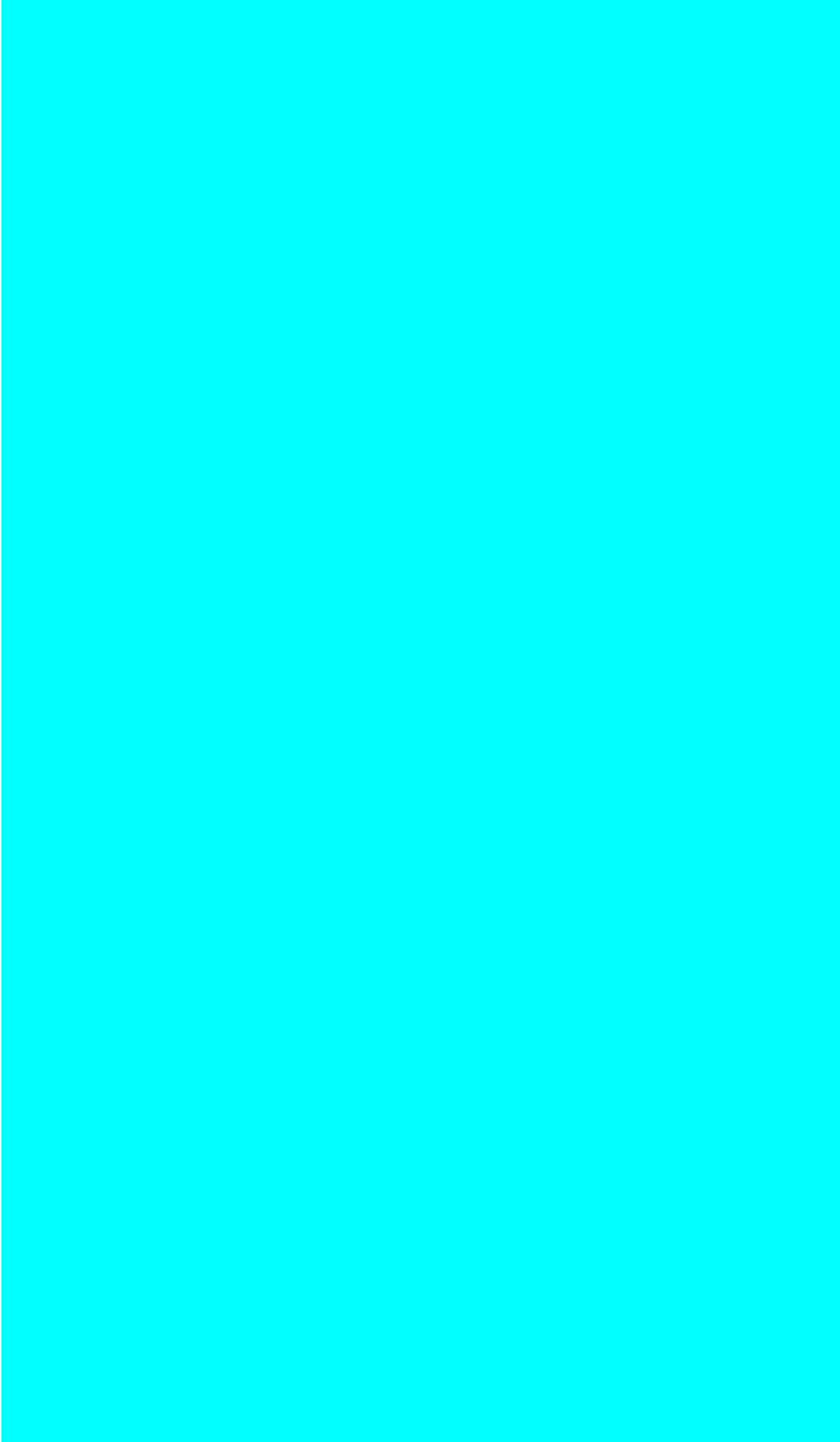


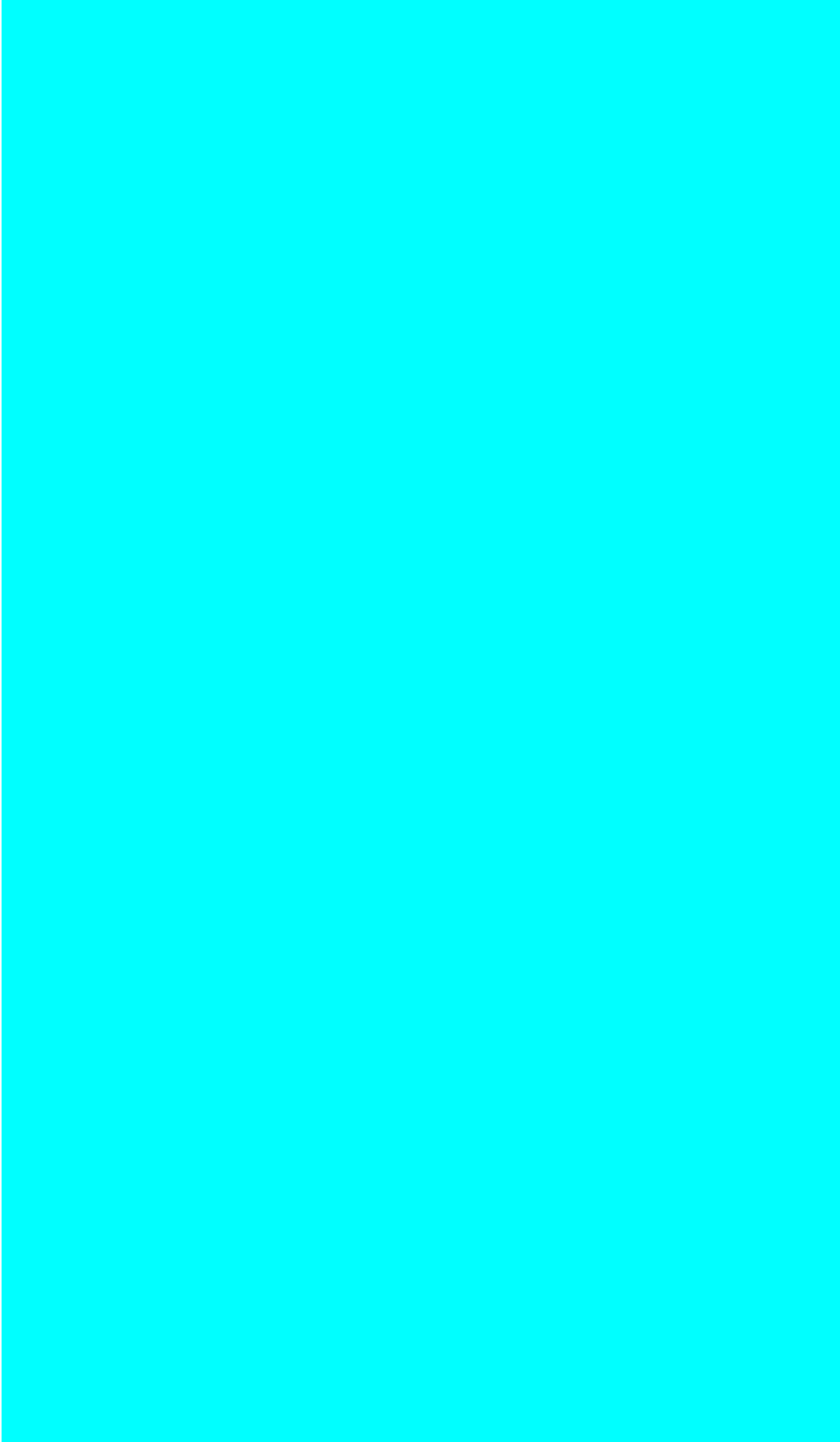


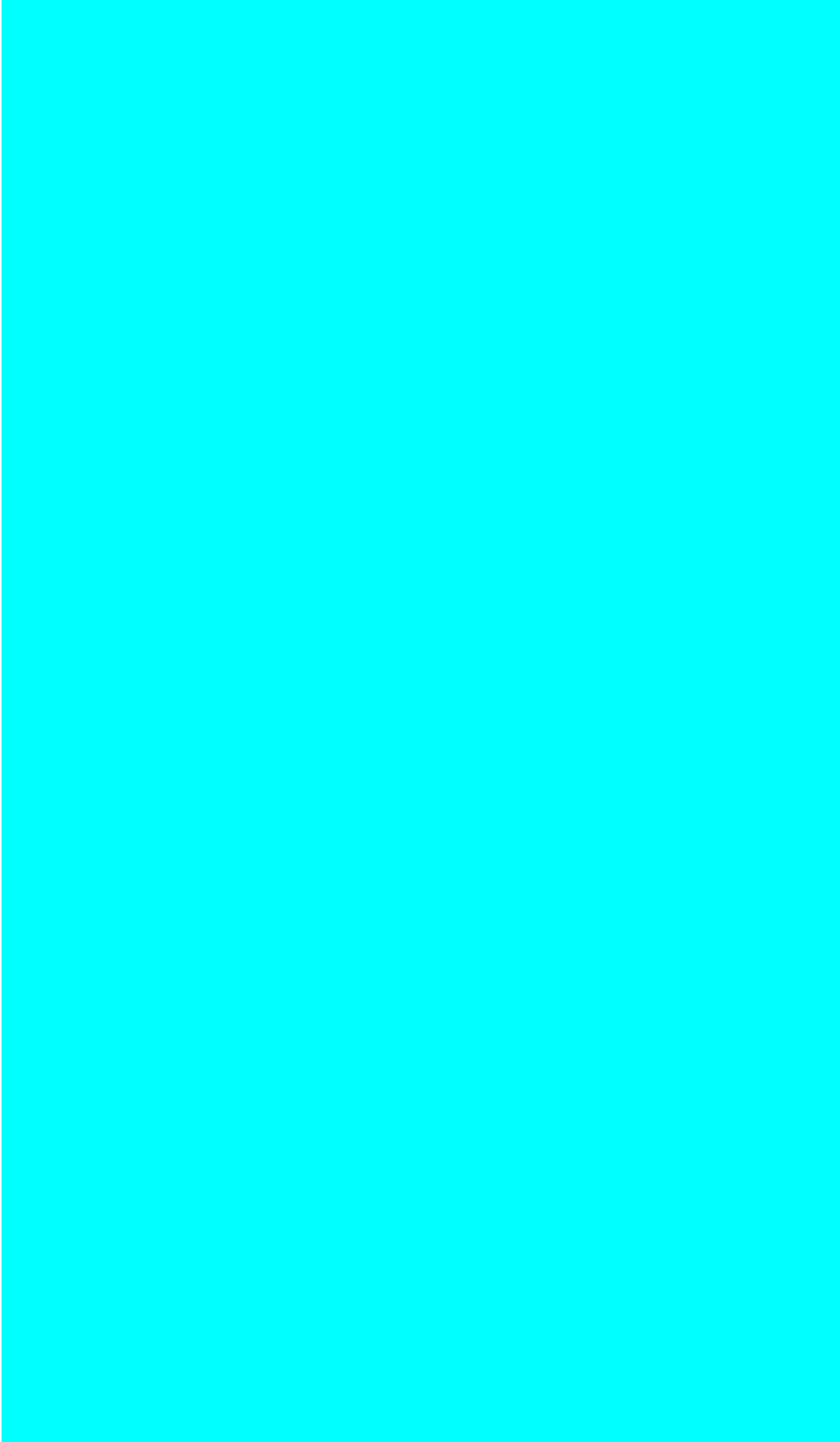


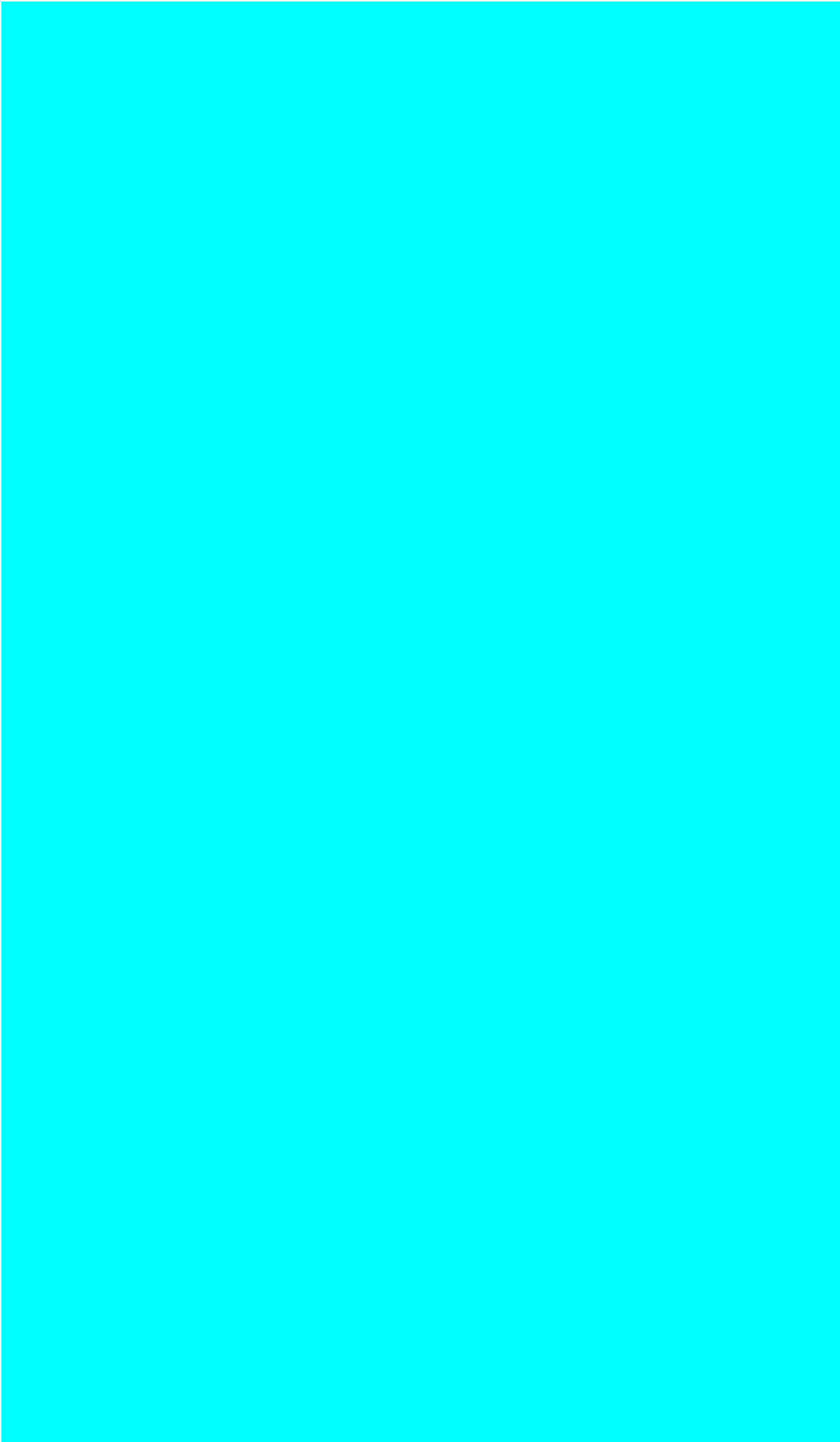












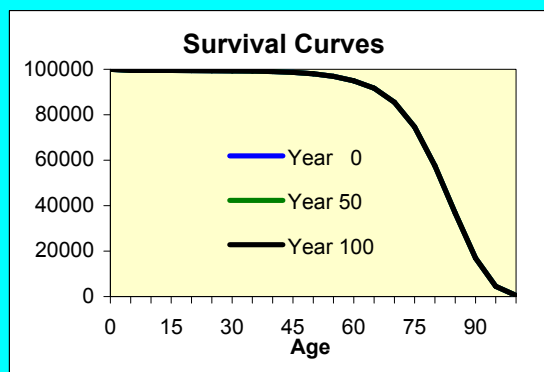
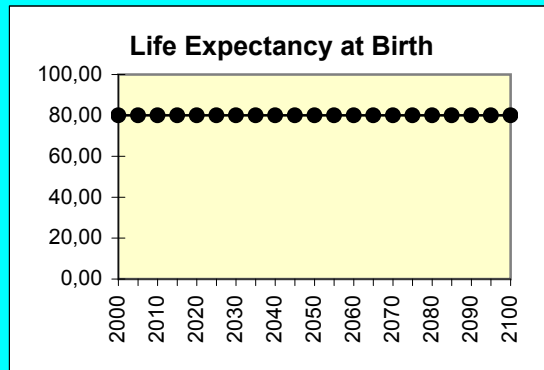


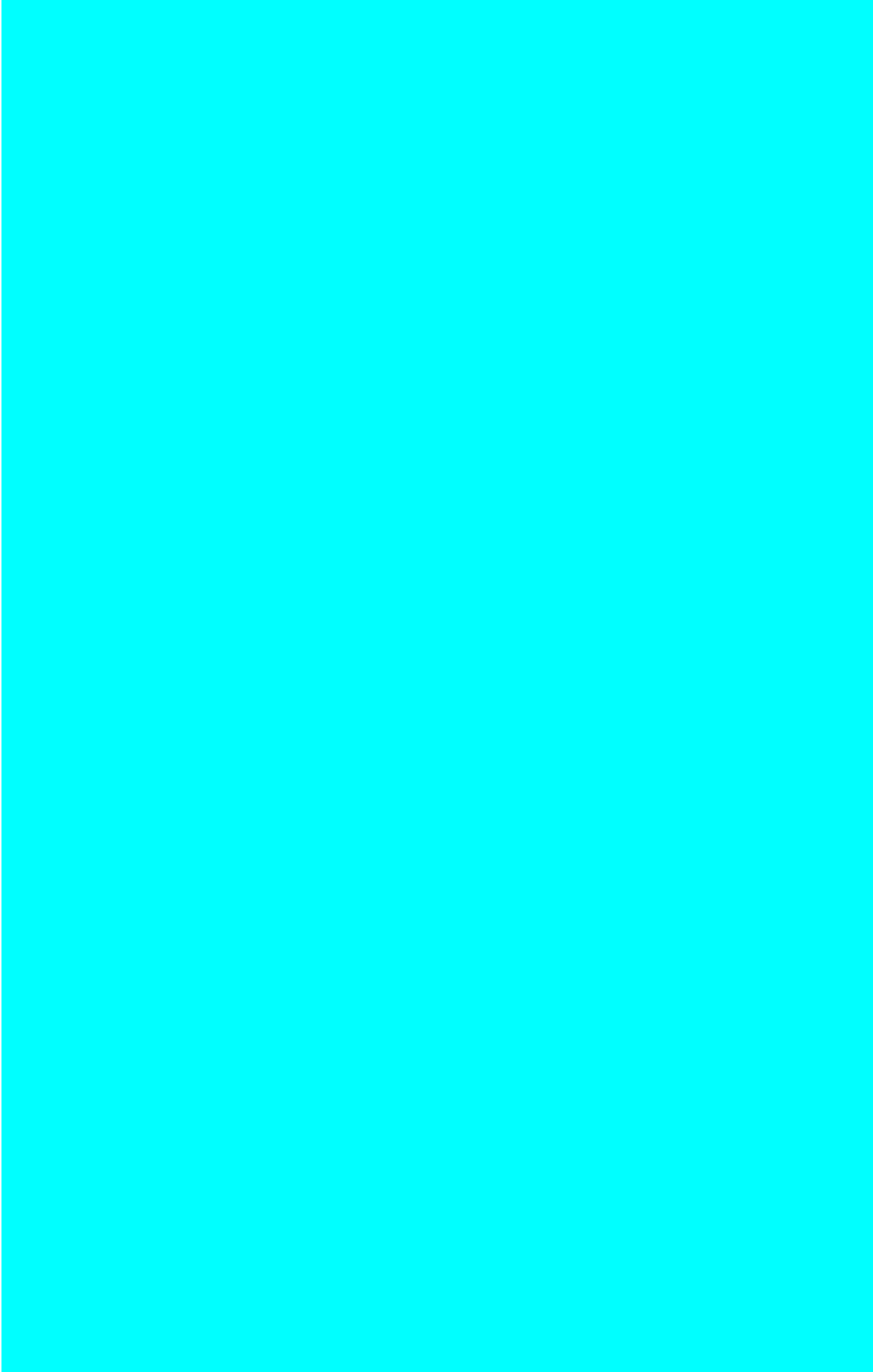
Mortality - Trend in Female Life Expectancy

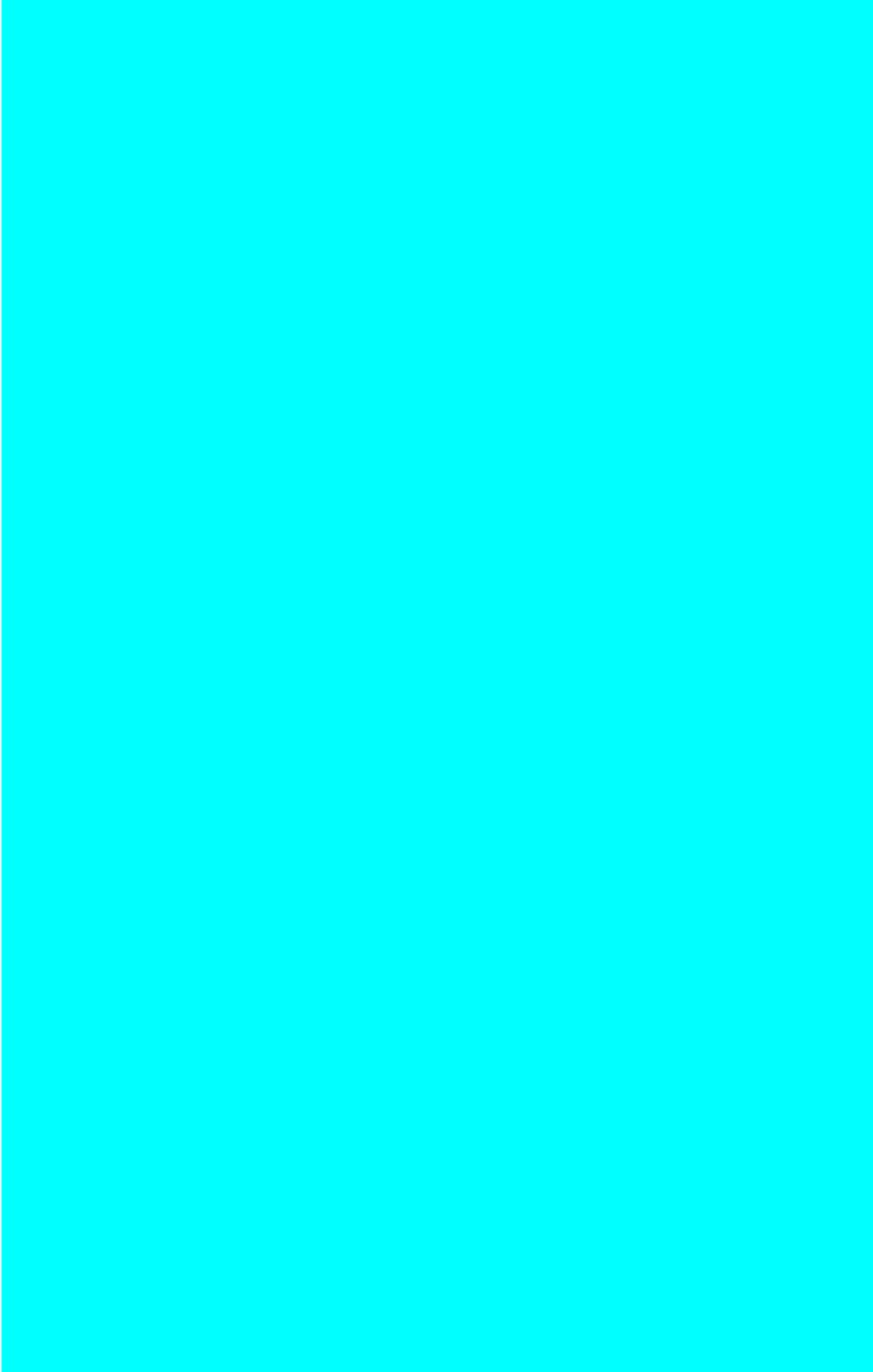
Click 'Change Trend' to modify life expectancy through time.
 For constant mortality, set alphas to 0 and betas to 1.

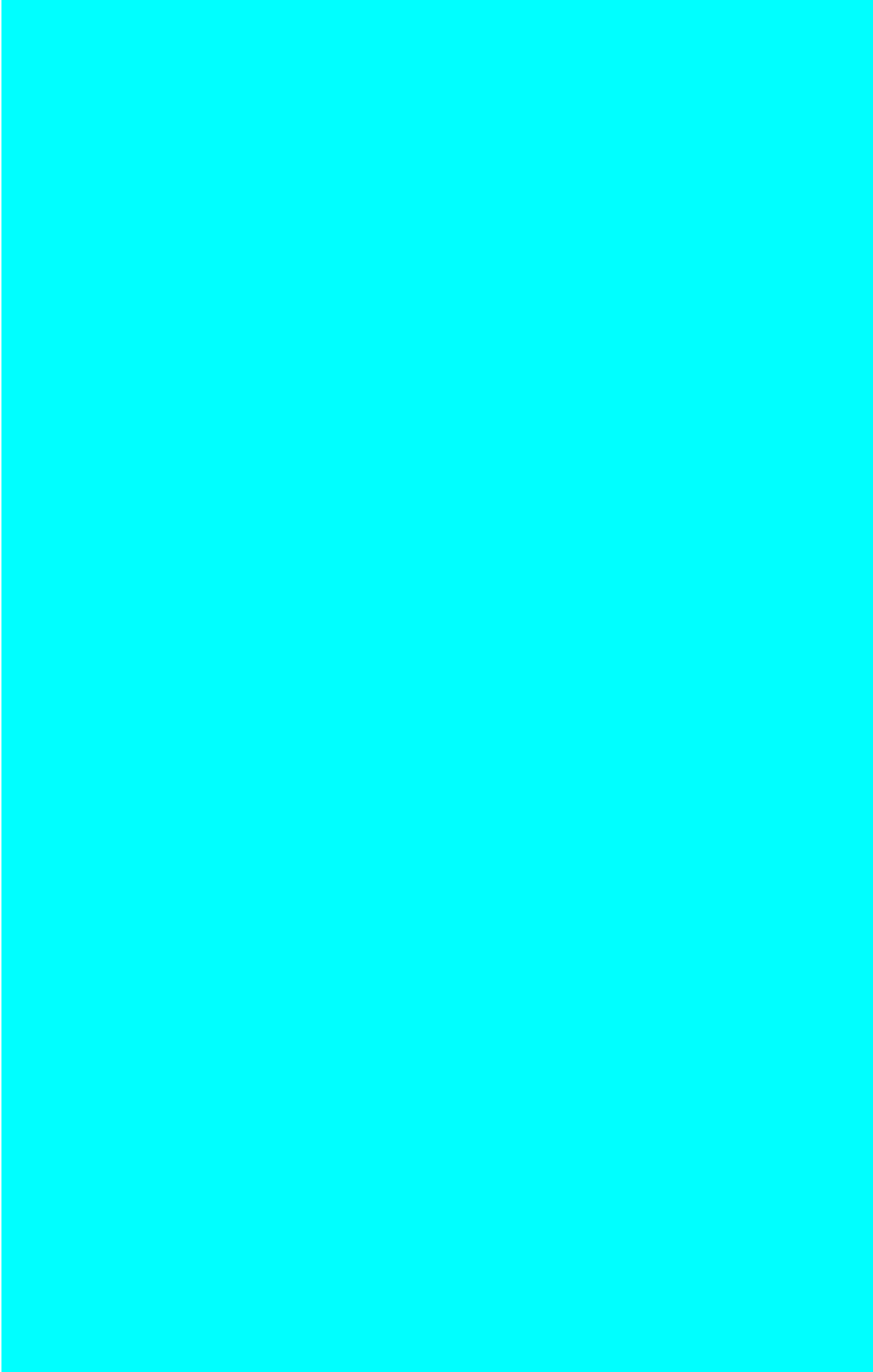
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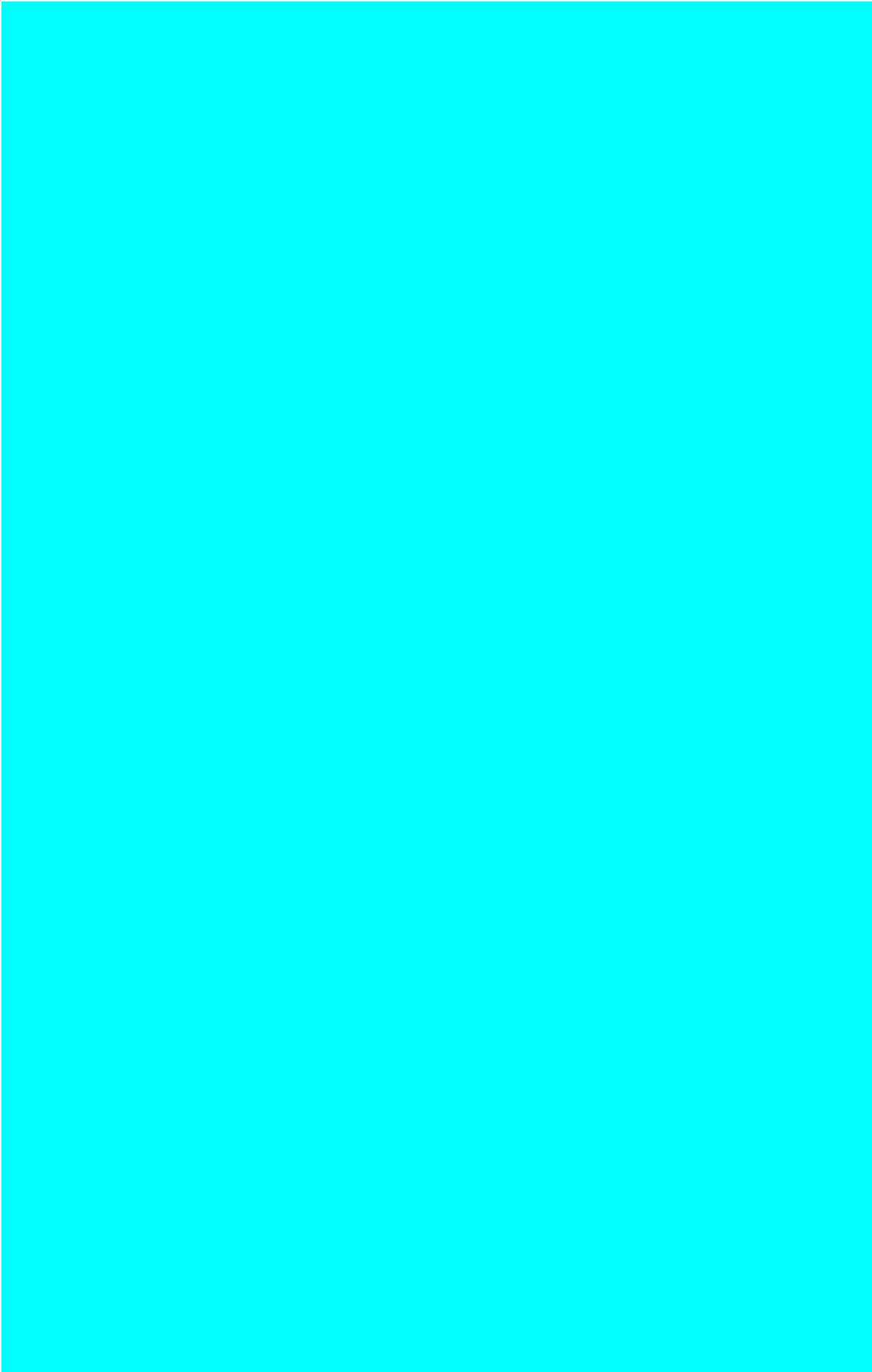
	Year	Selected Data
0	2000	80,06
5	2005	80,06
10	2010	80,06
15	2015	80,06
20	2020	80,06
25	2025	80,06
30	2030	80,06
35	2035	80,06
40	2040	80,06
45	2045	80,06
50	2050	80,06
55	2055	80,06
60	2060	80,06
65	2065	80,06
70	2070	80,06
75	2075	80,06
80	2080	80,06
85	2085	80,06
90	2090	80,06
95	2095	80,06
100	2100	80,06



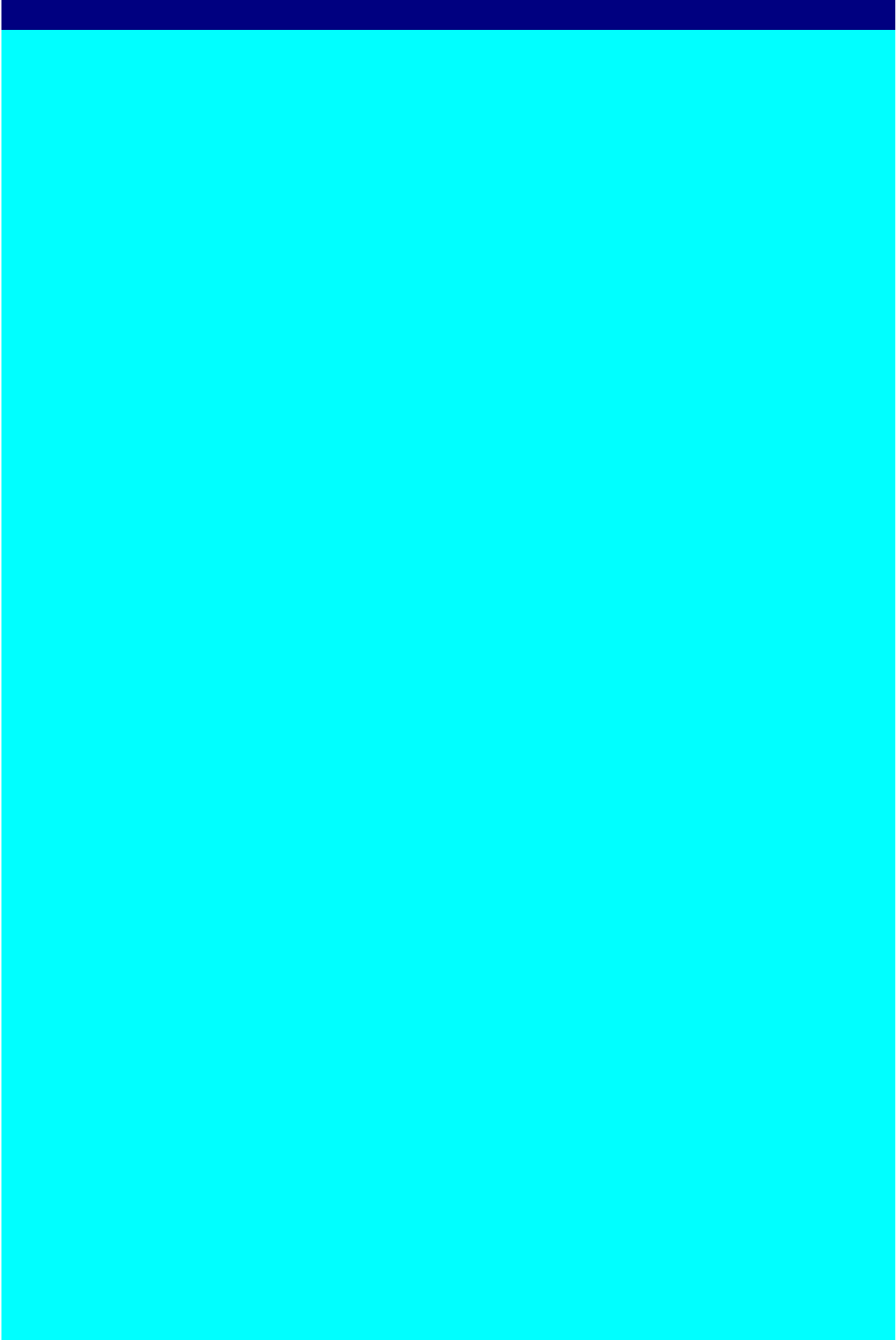


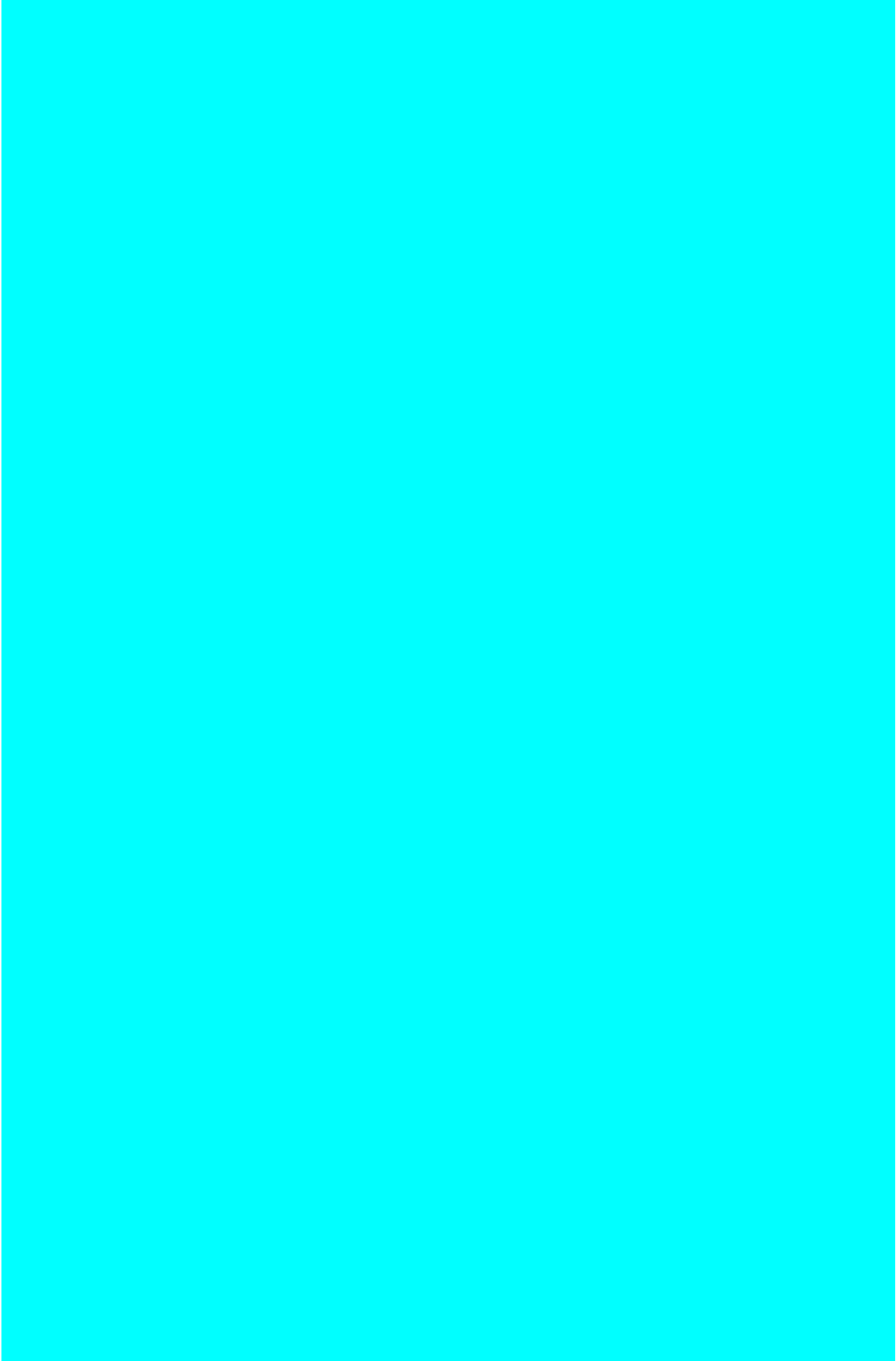


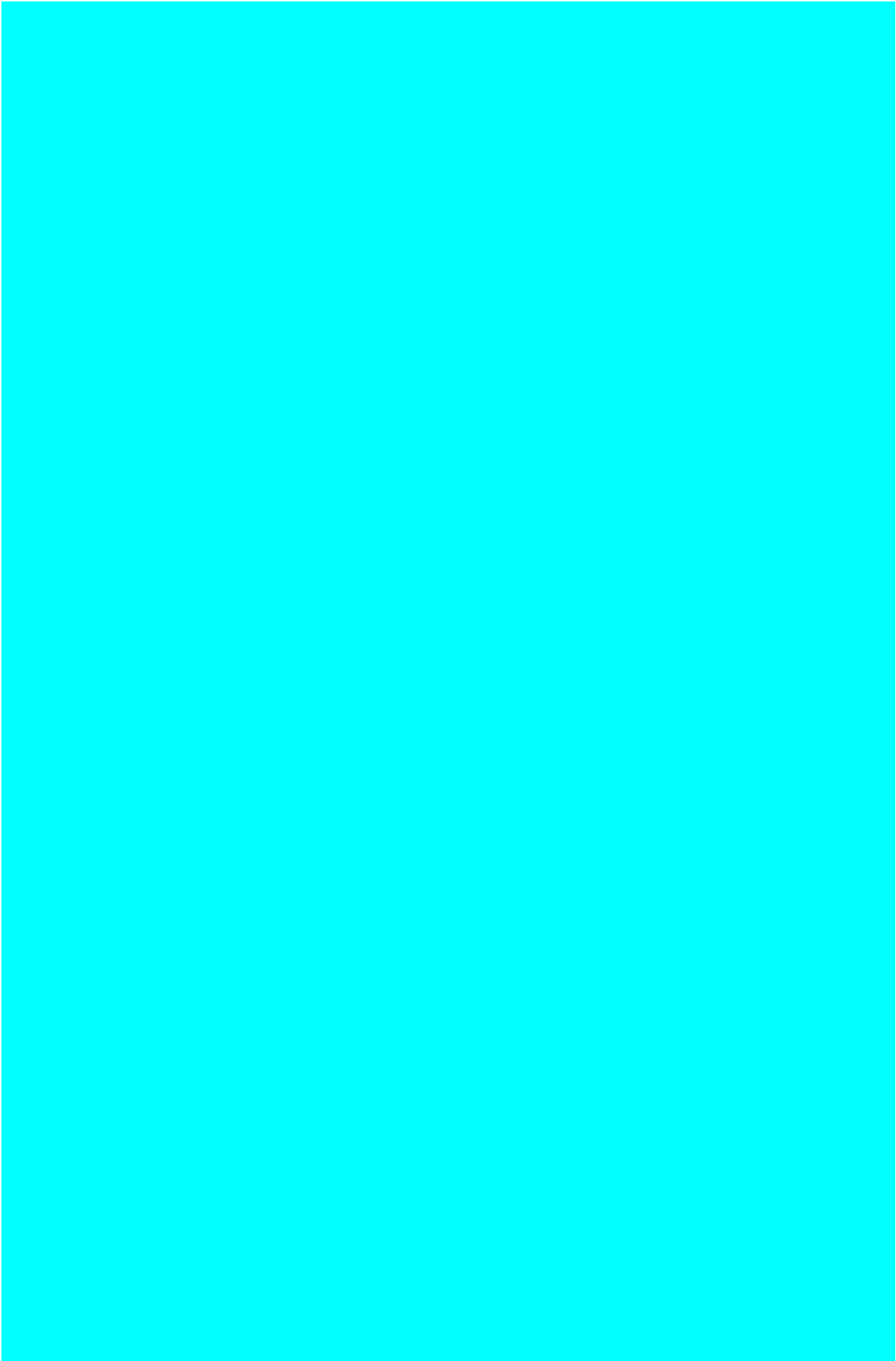


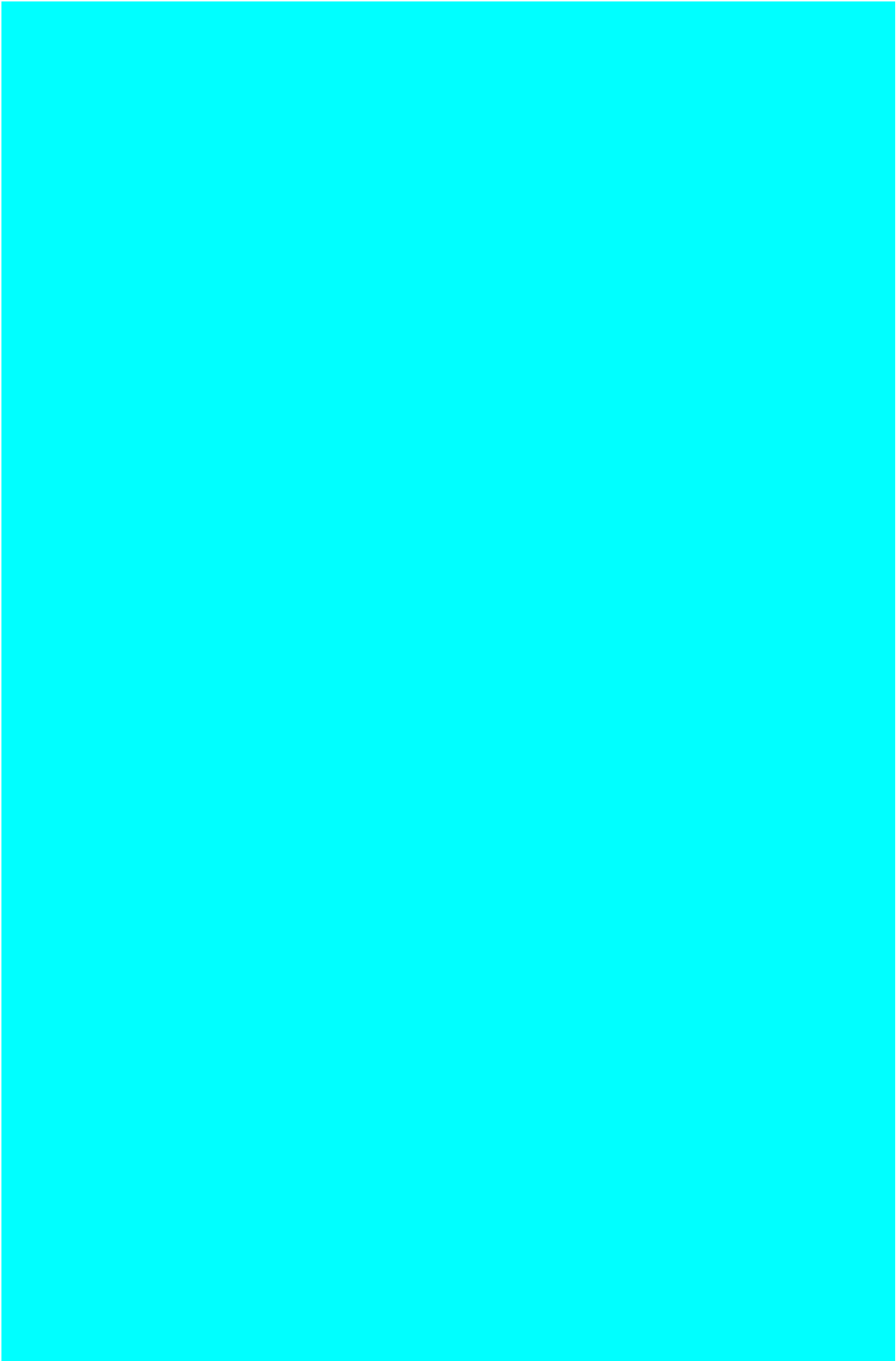


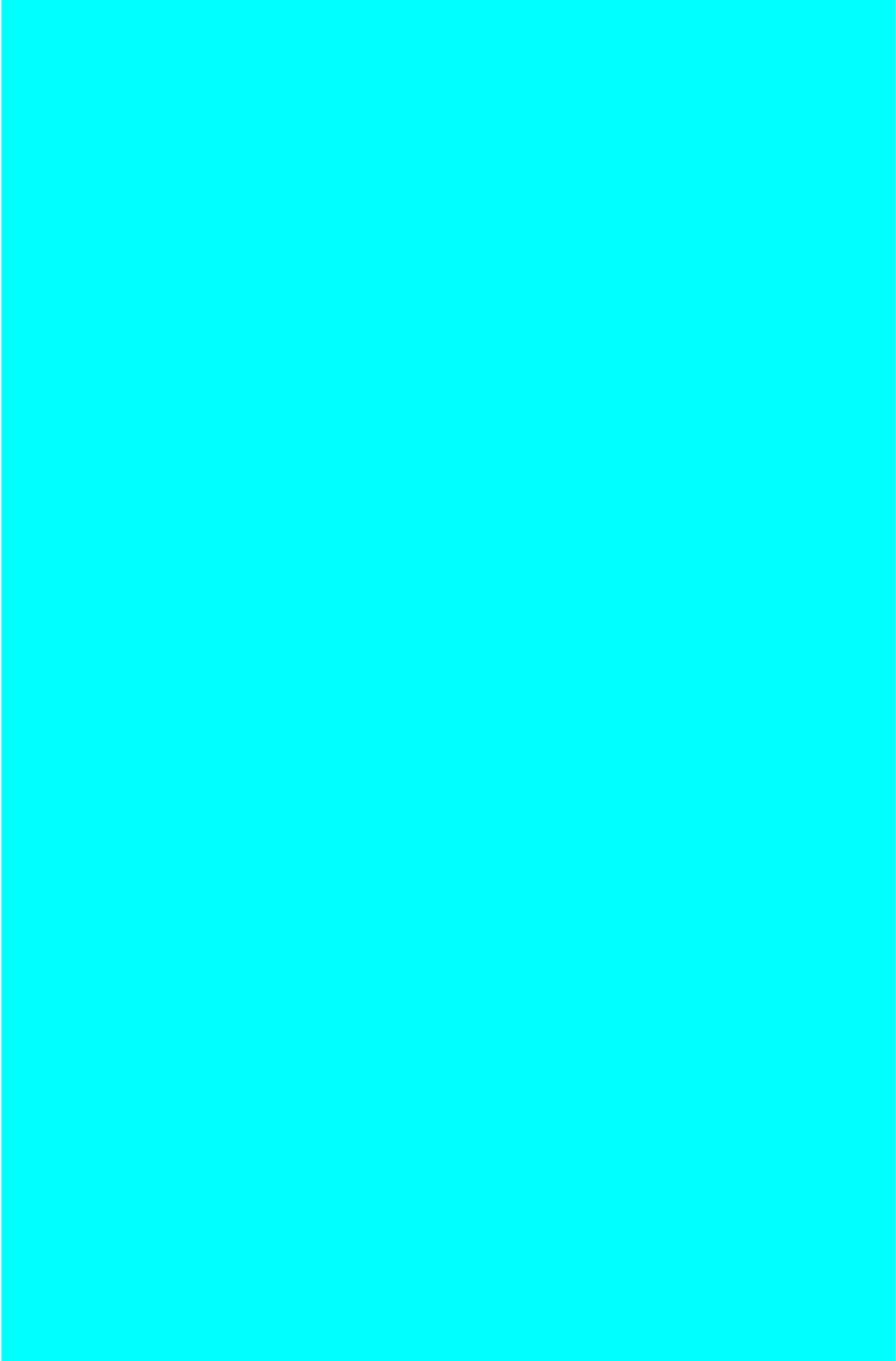




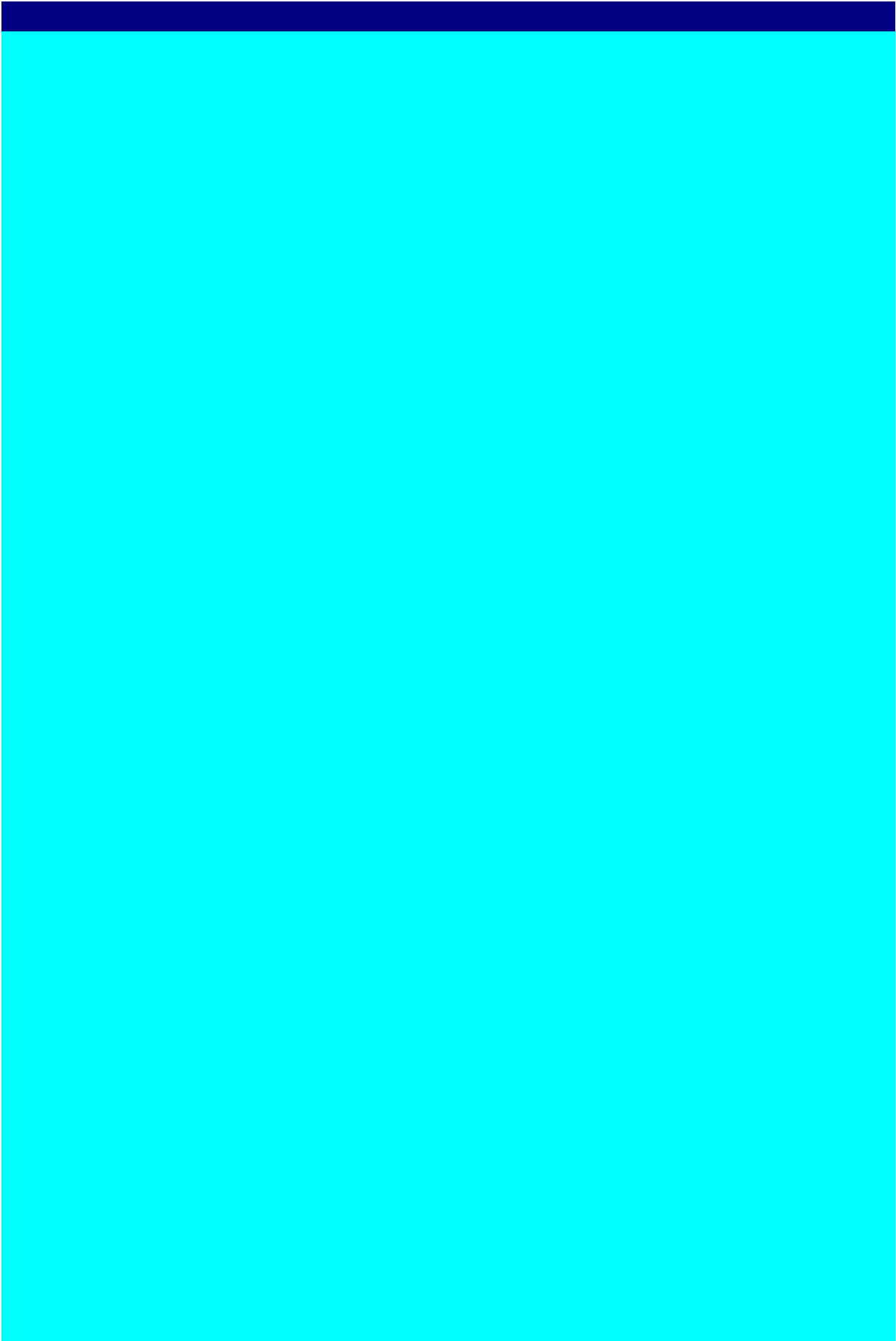


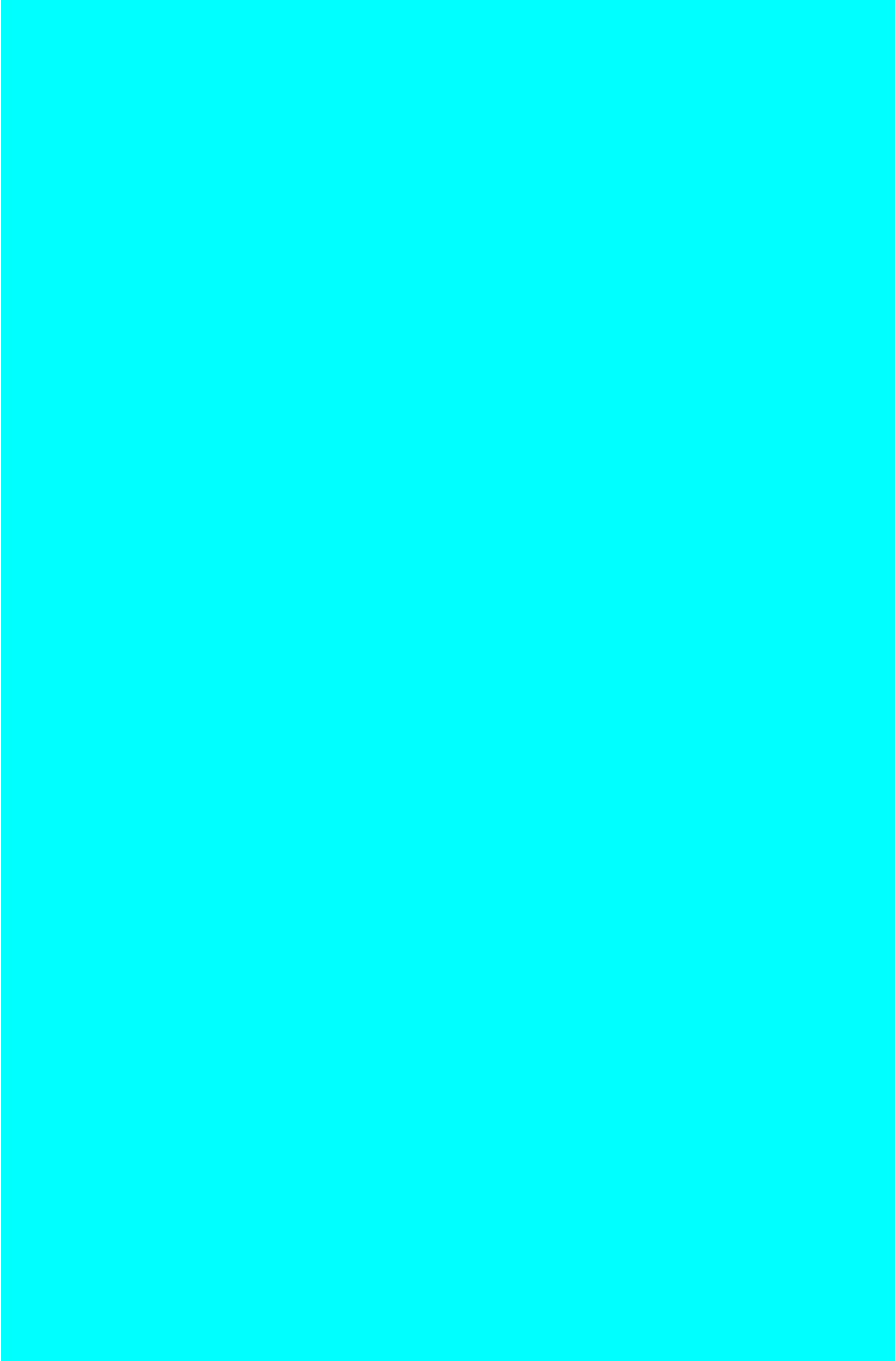


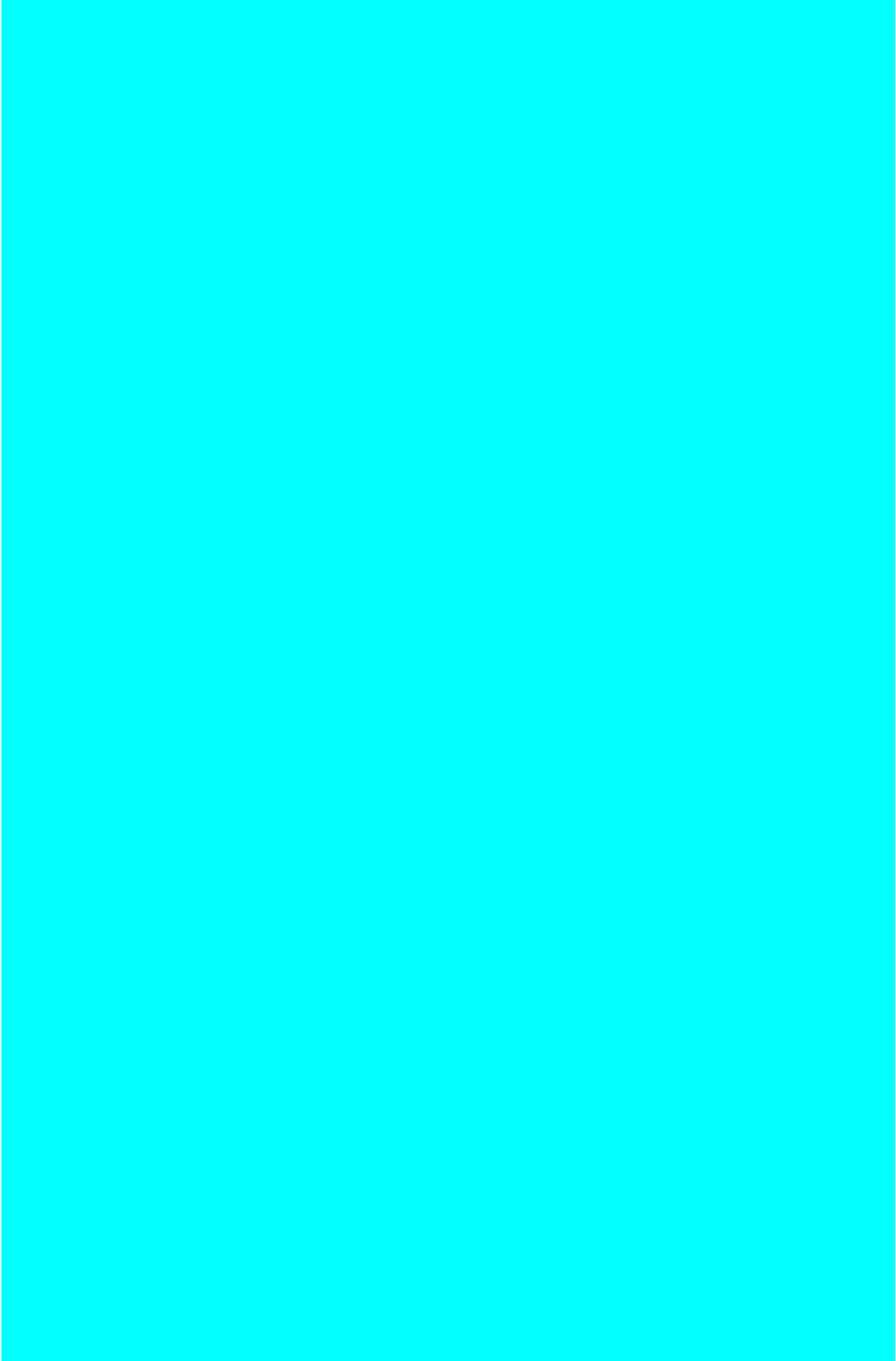


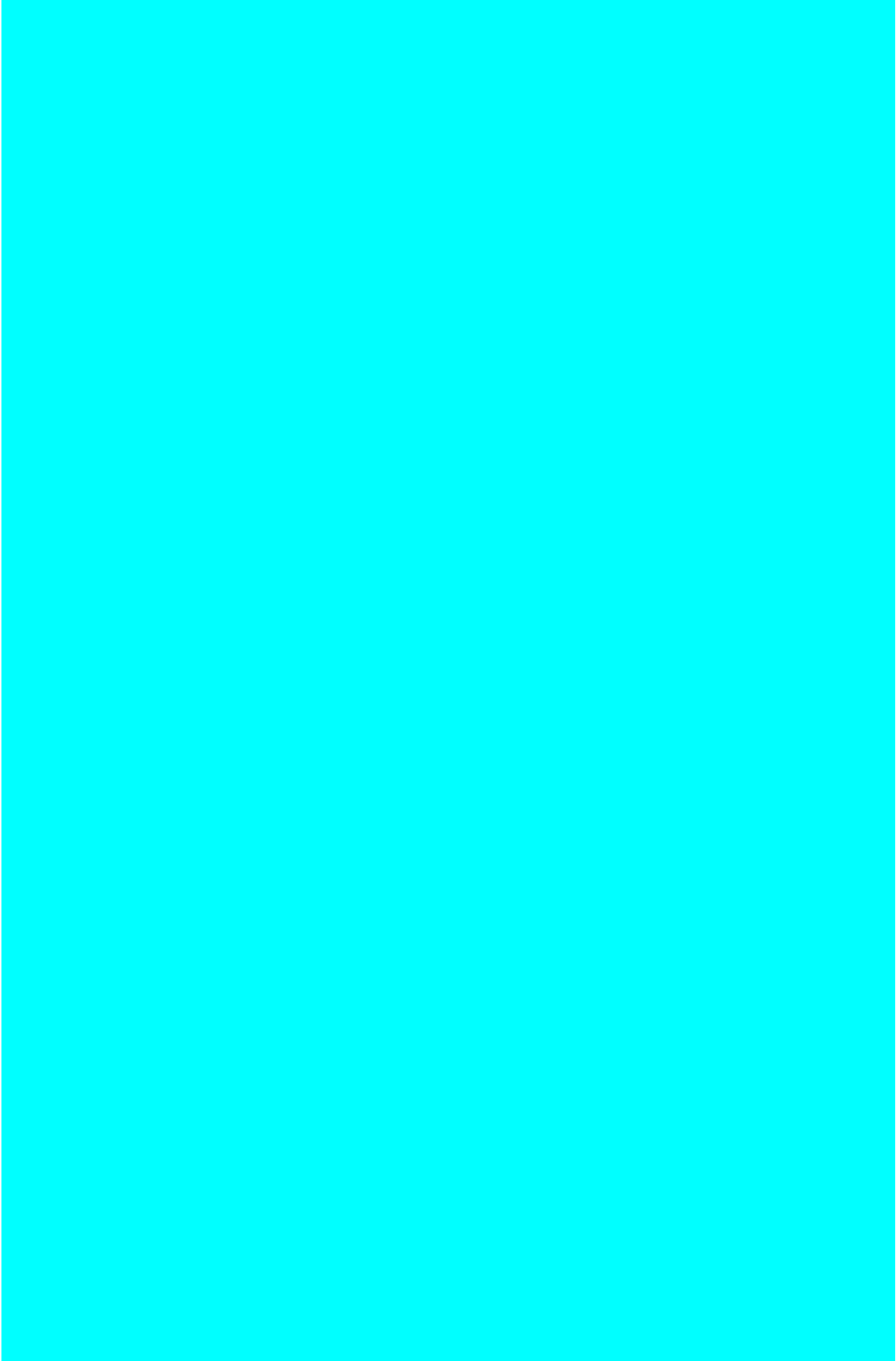


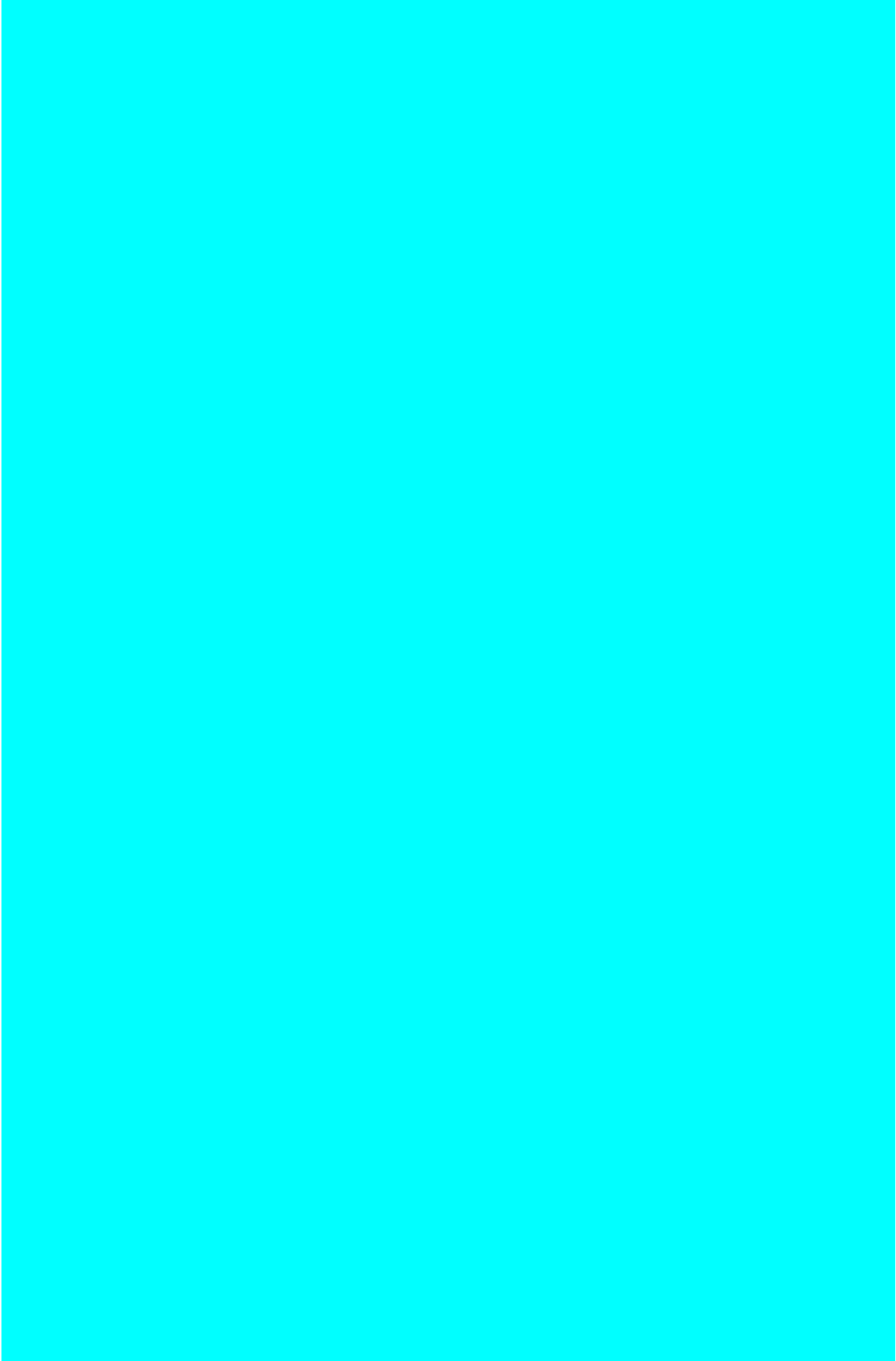




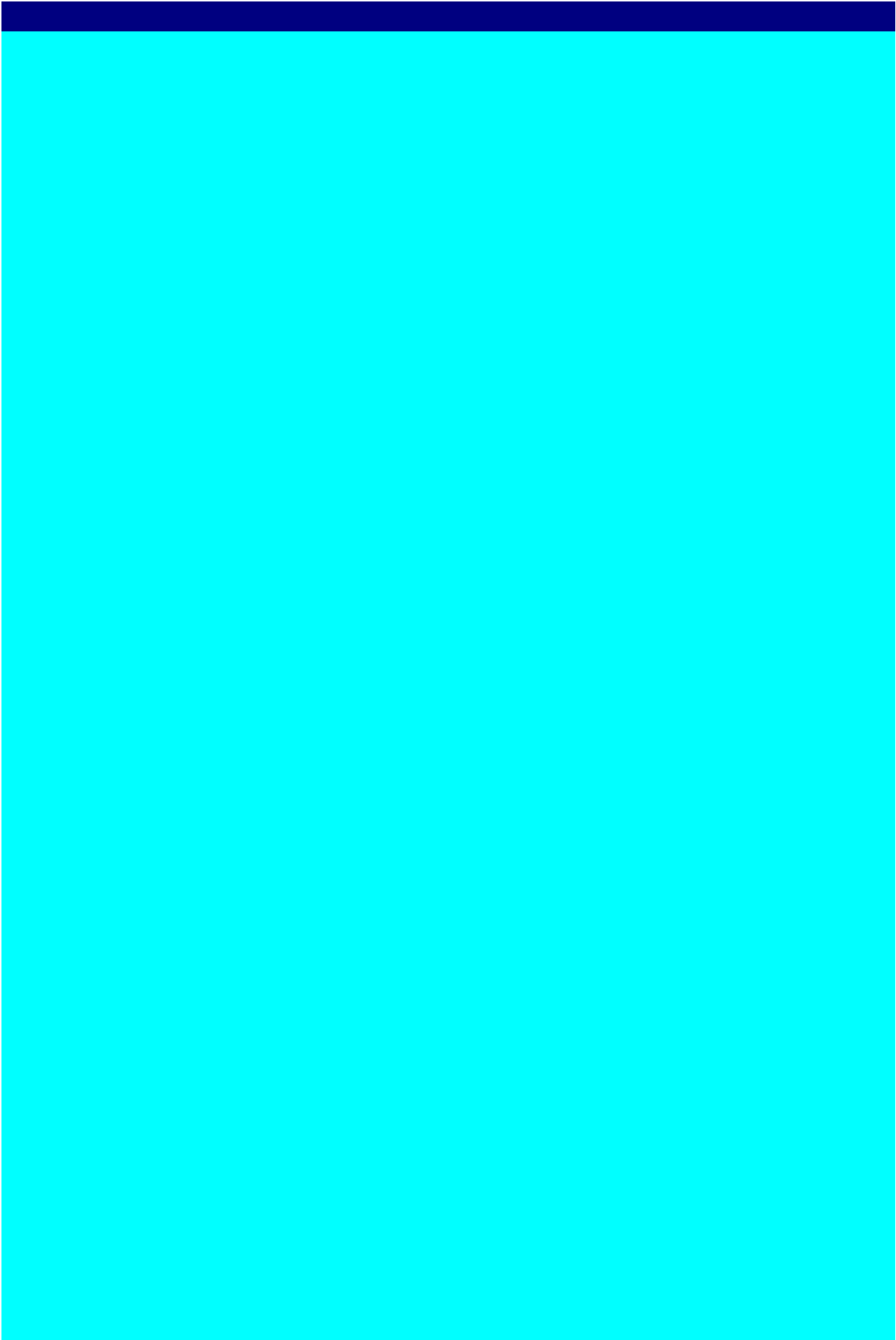


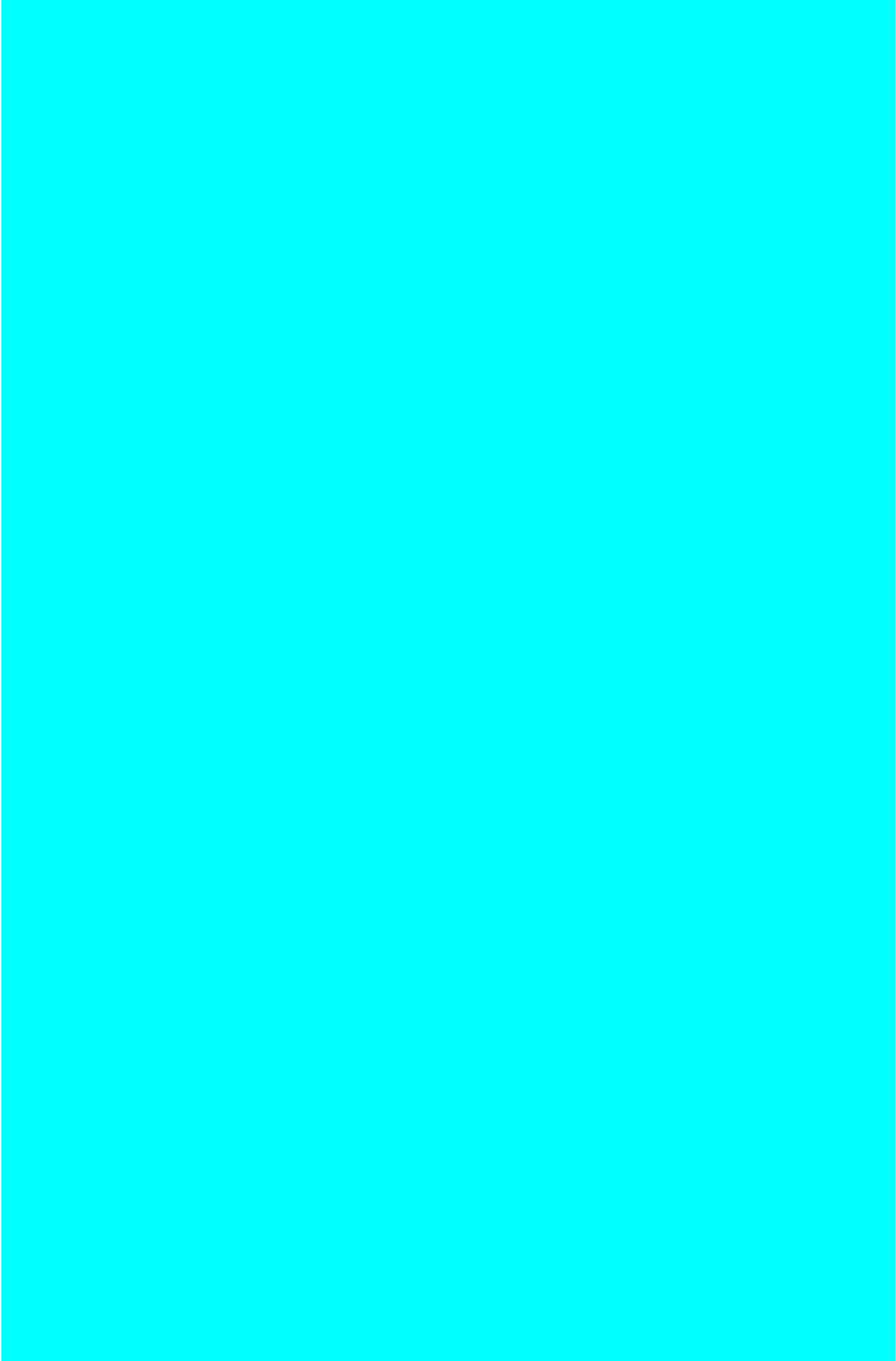


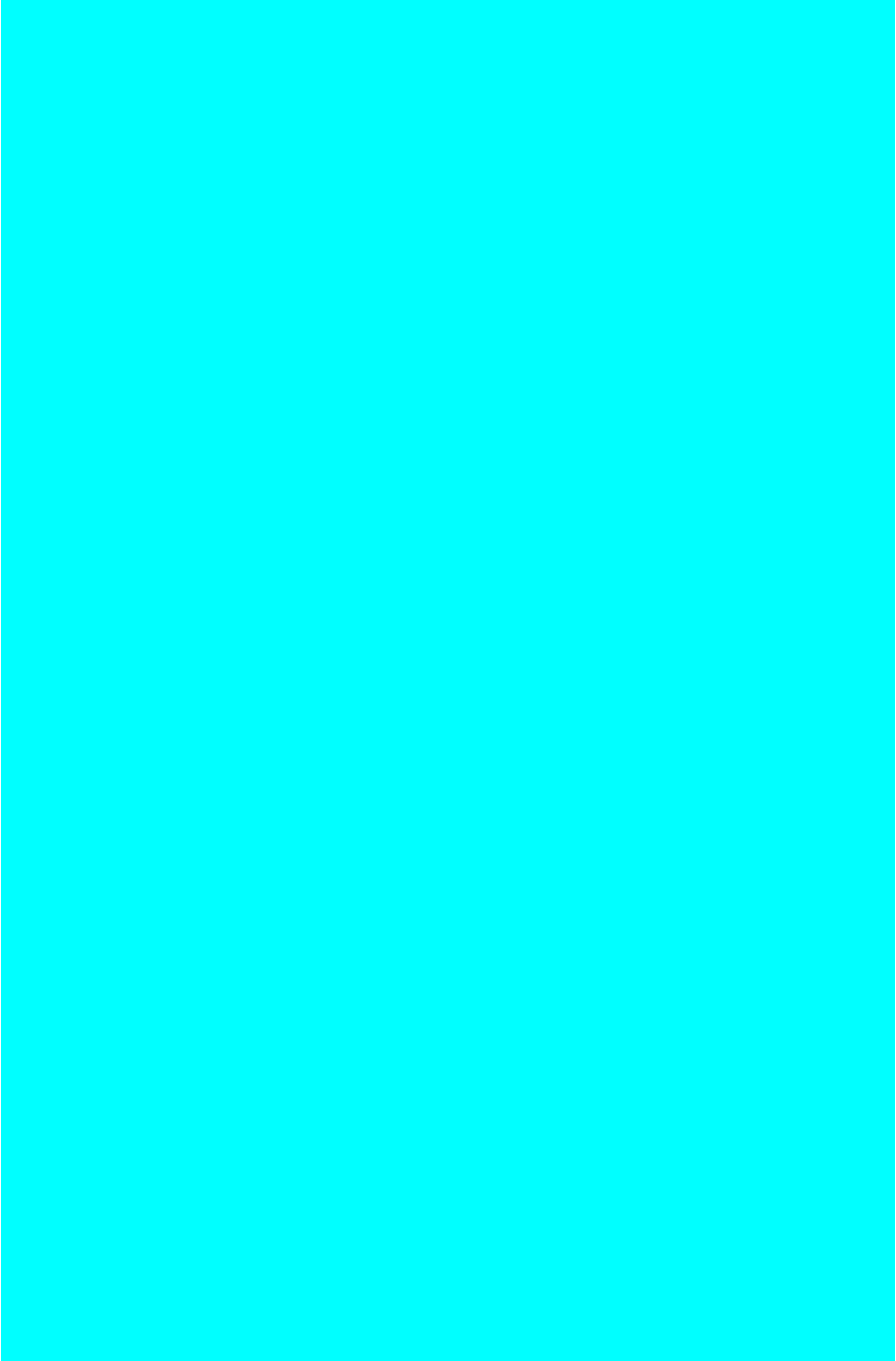


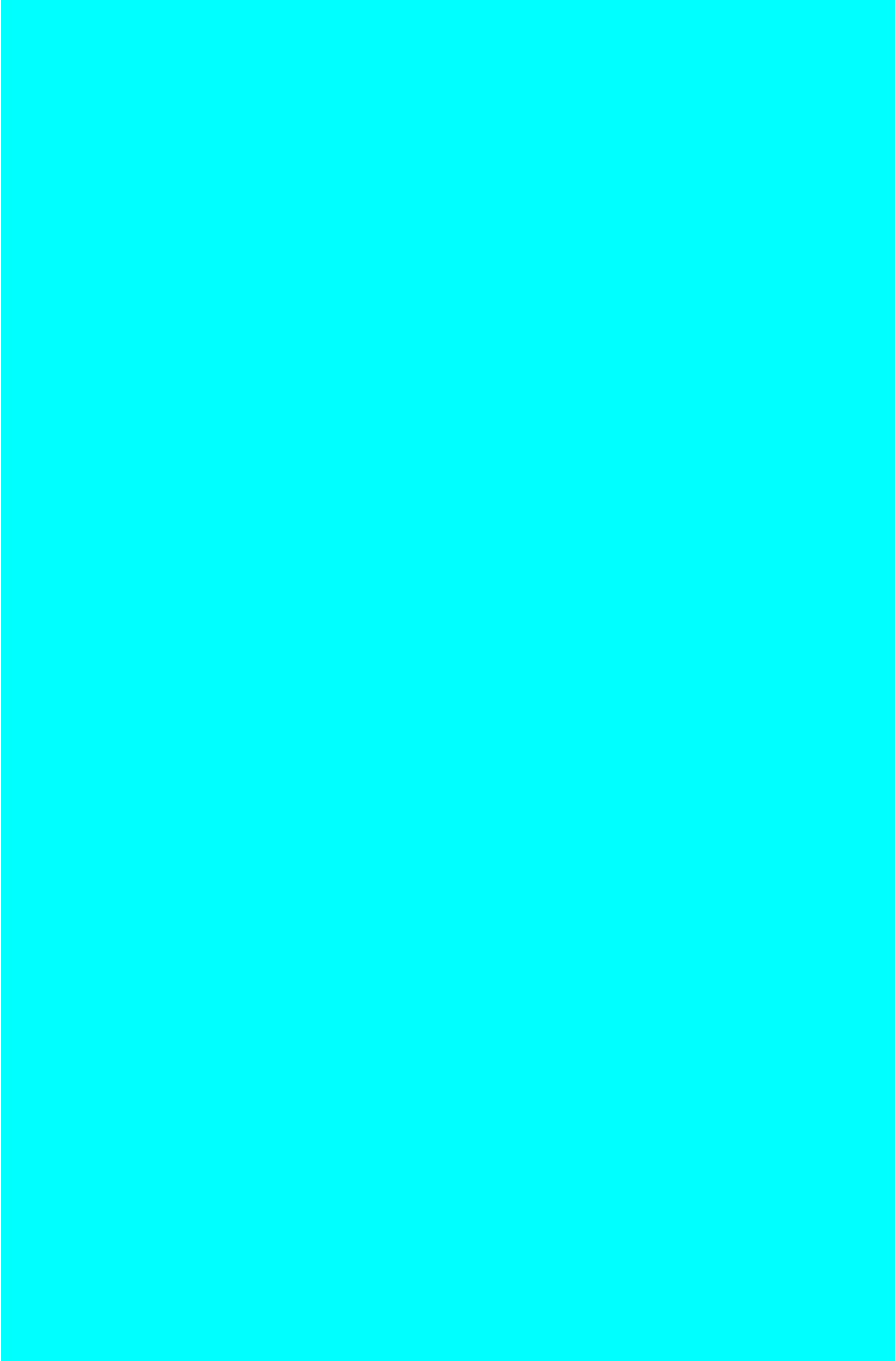


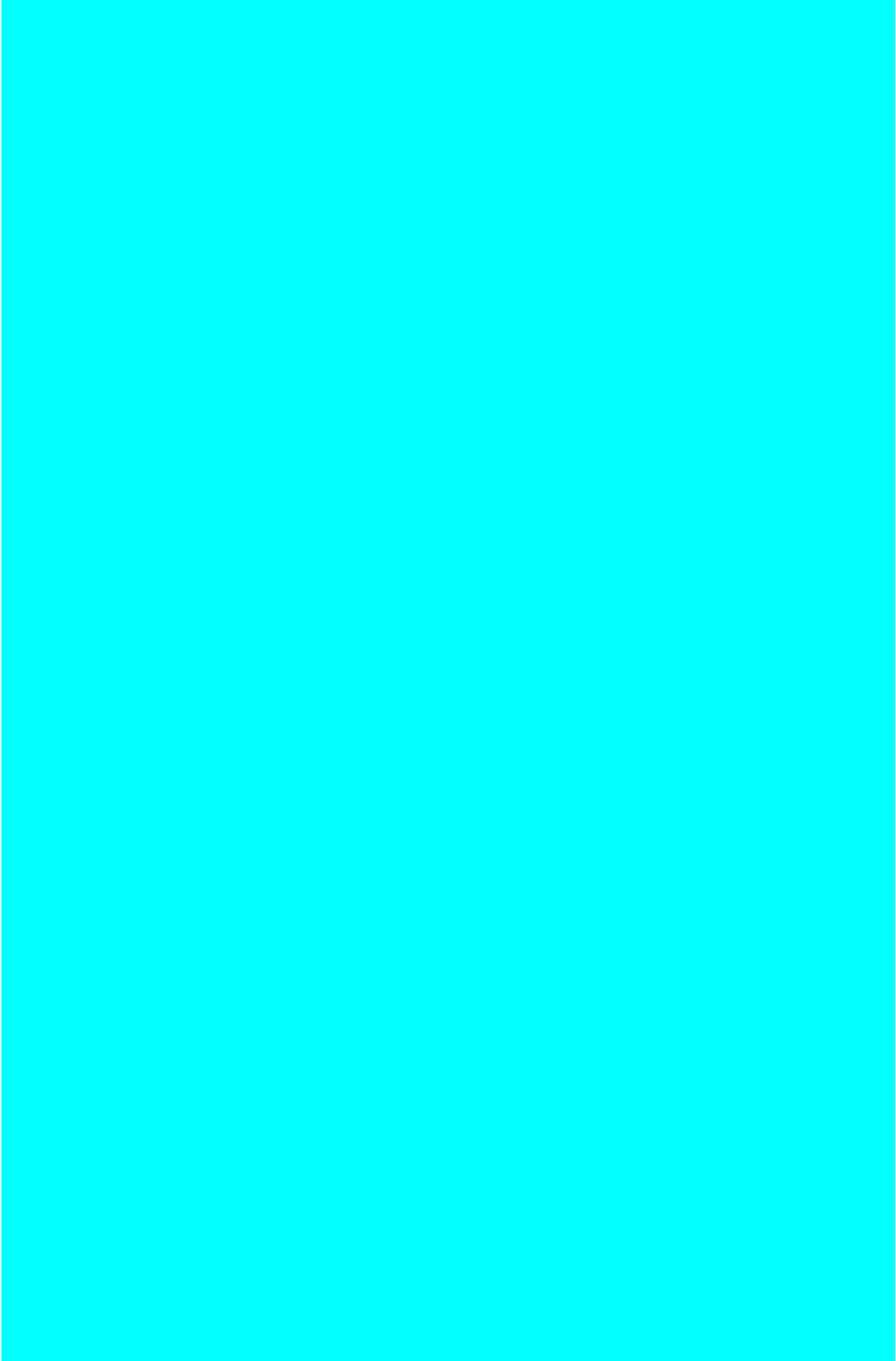




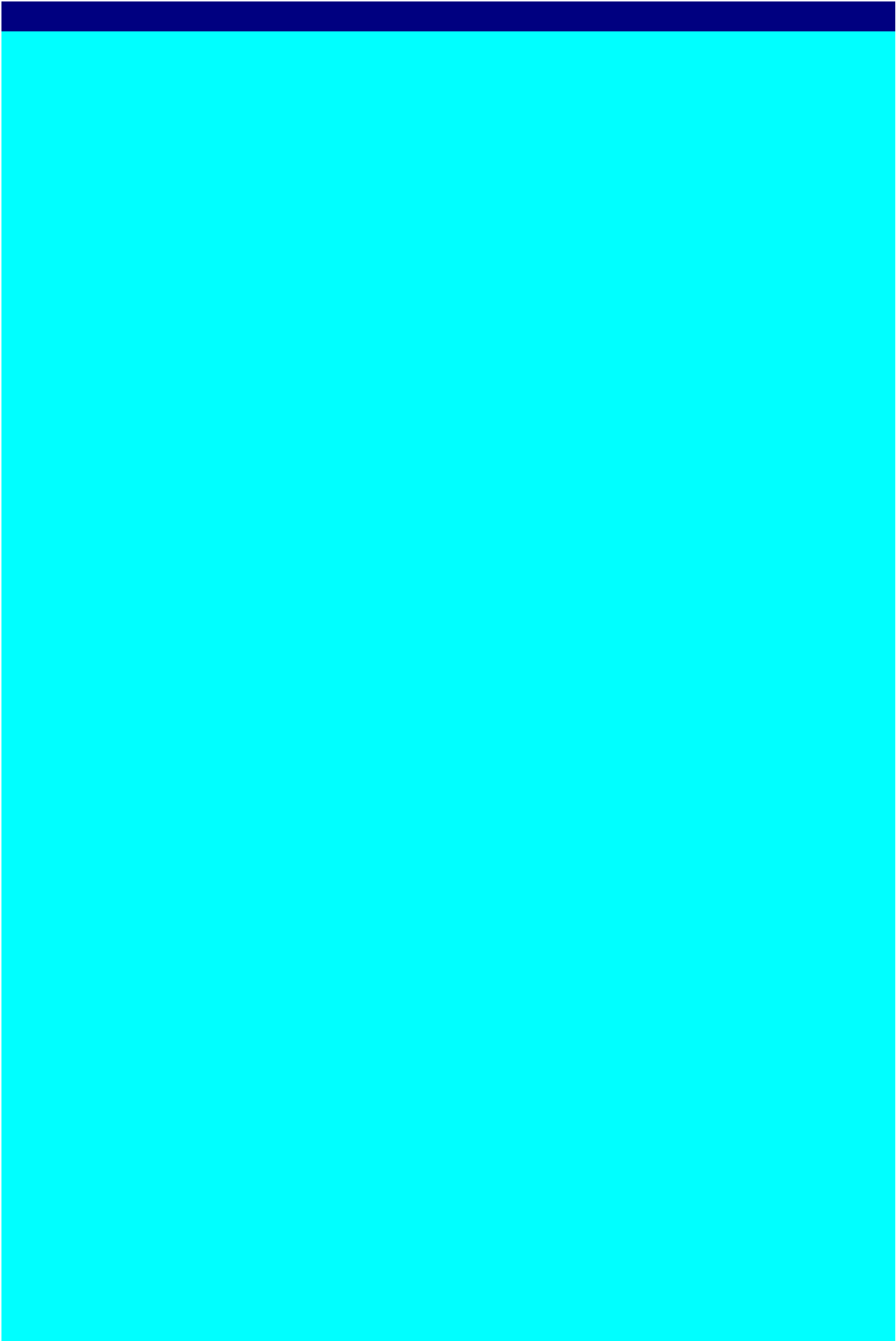


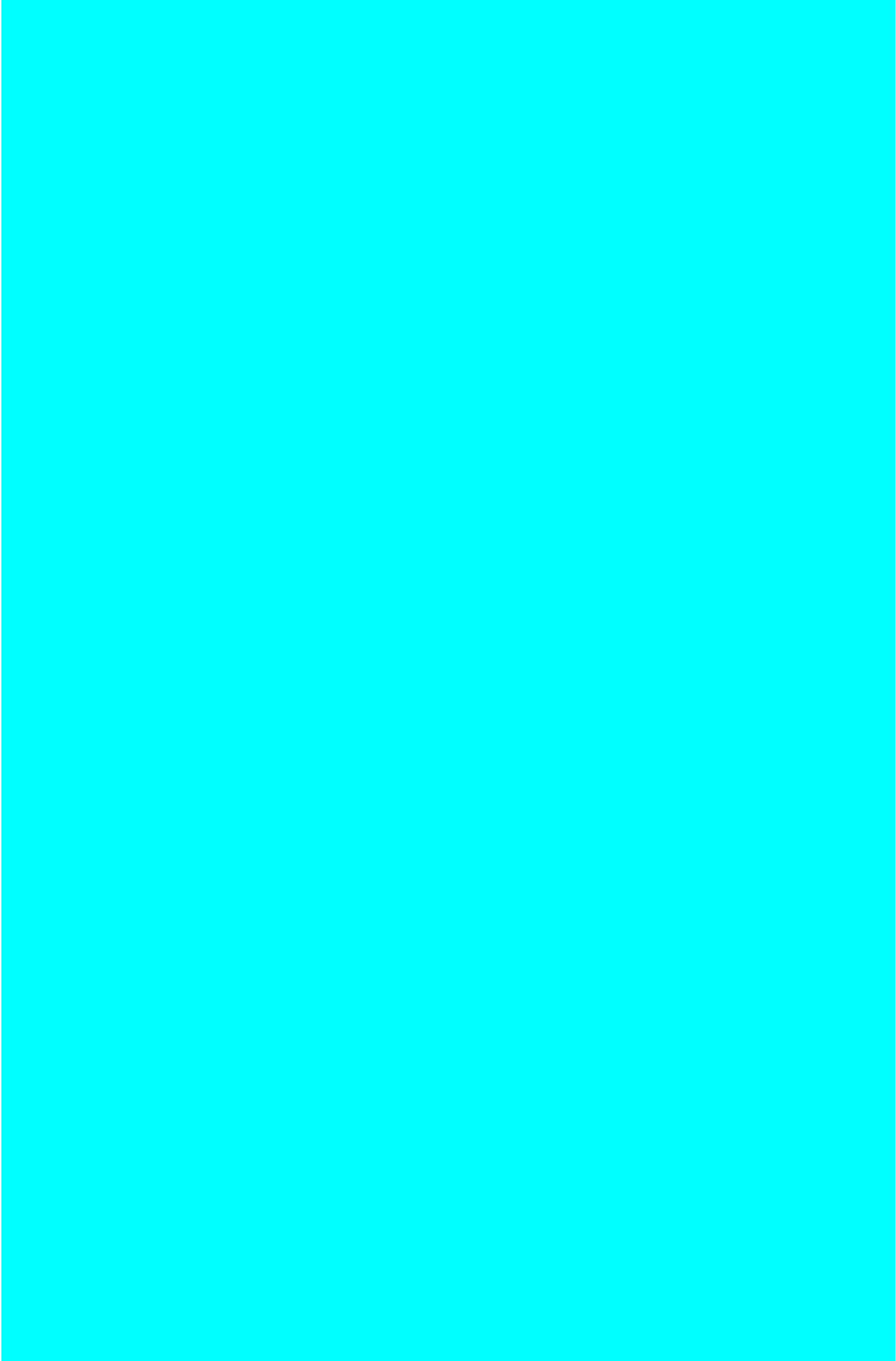


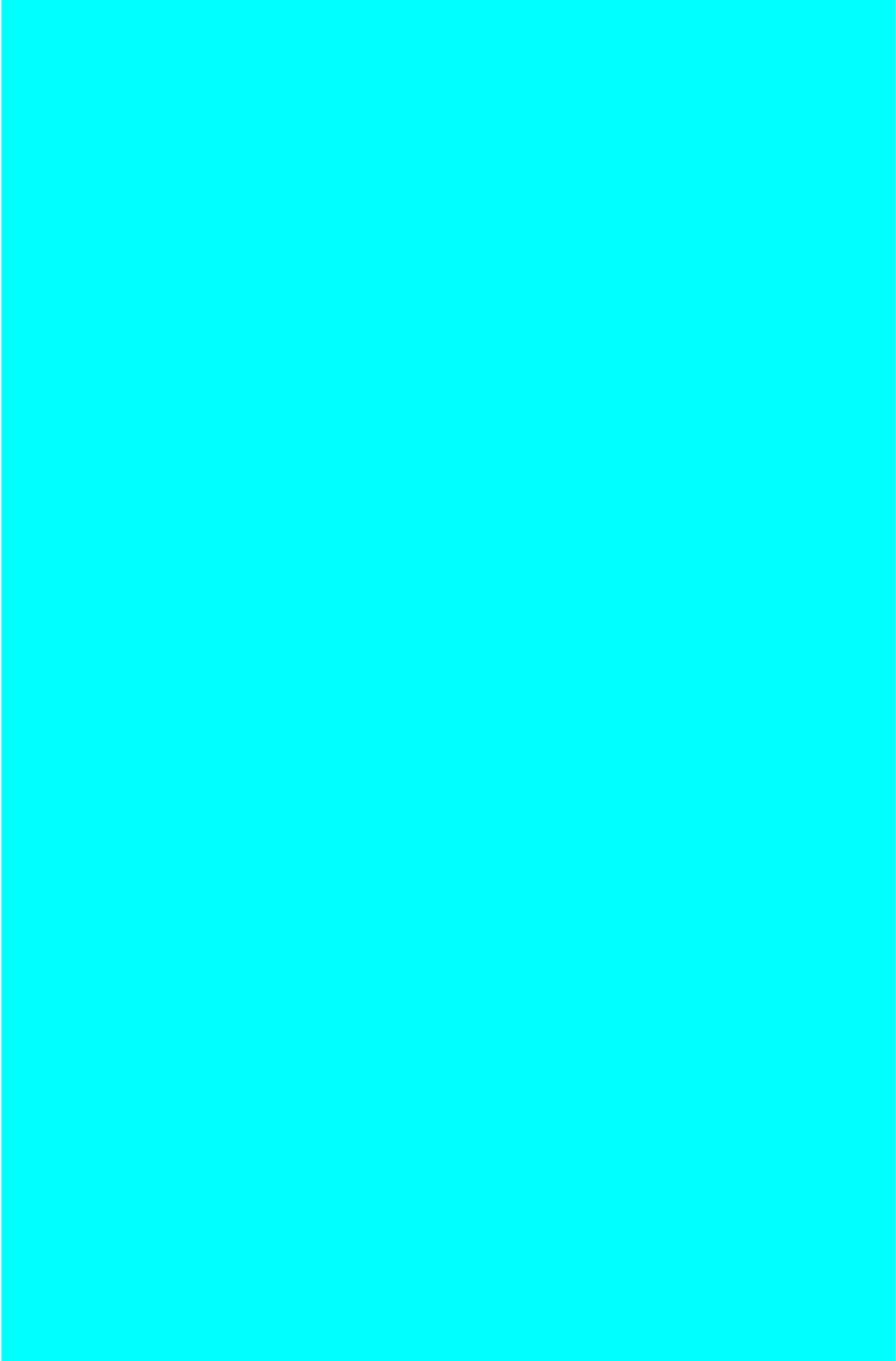


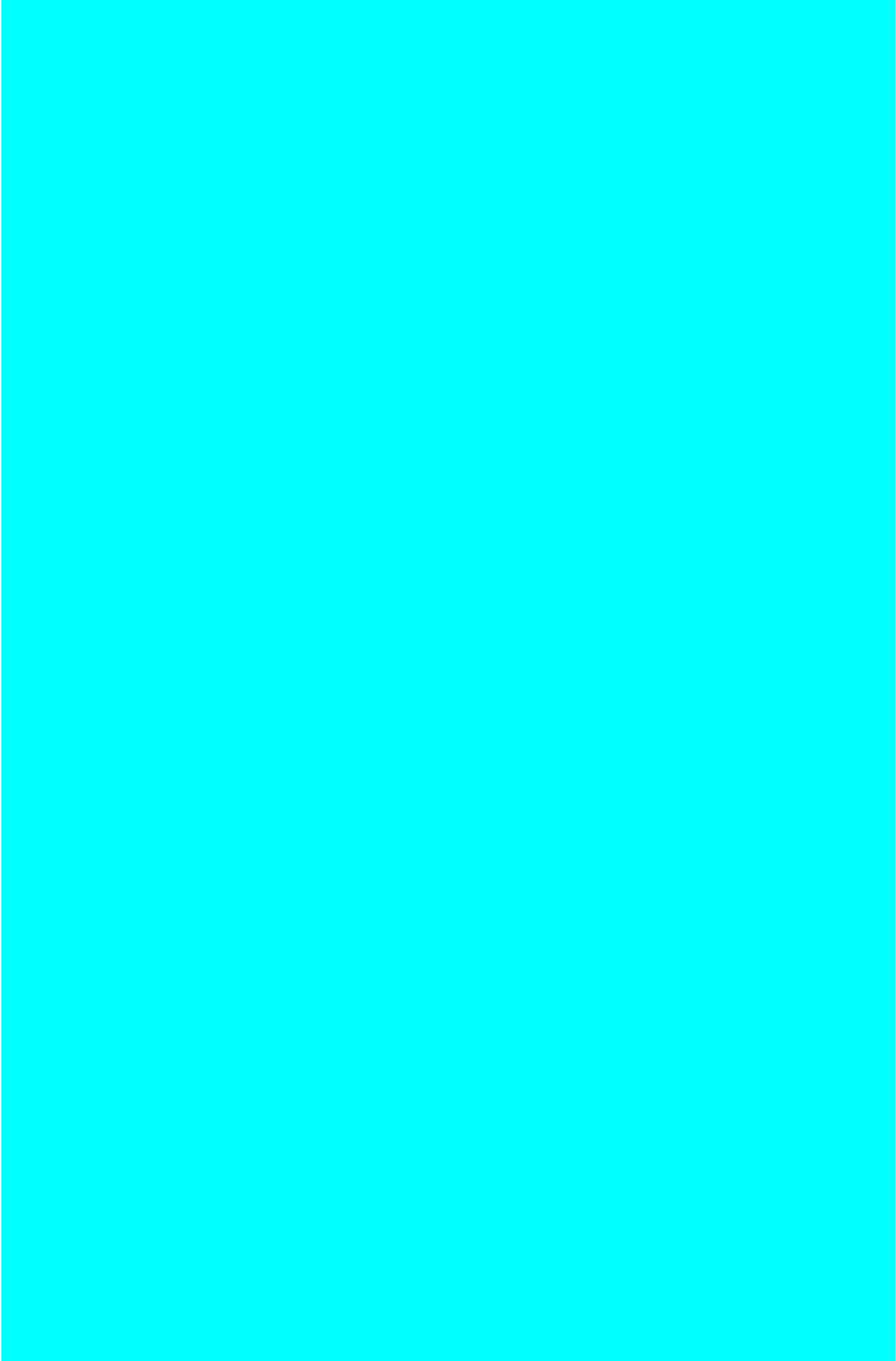


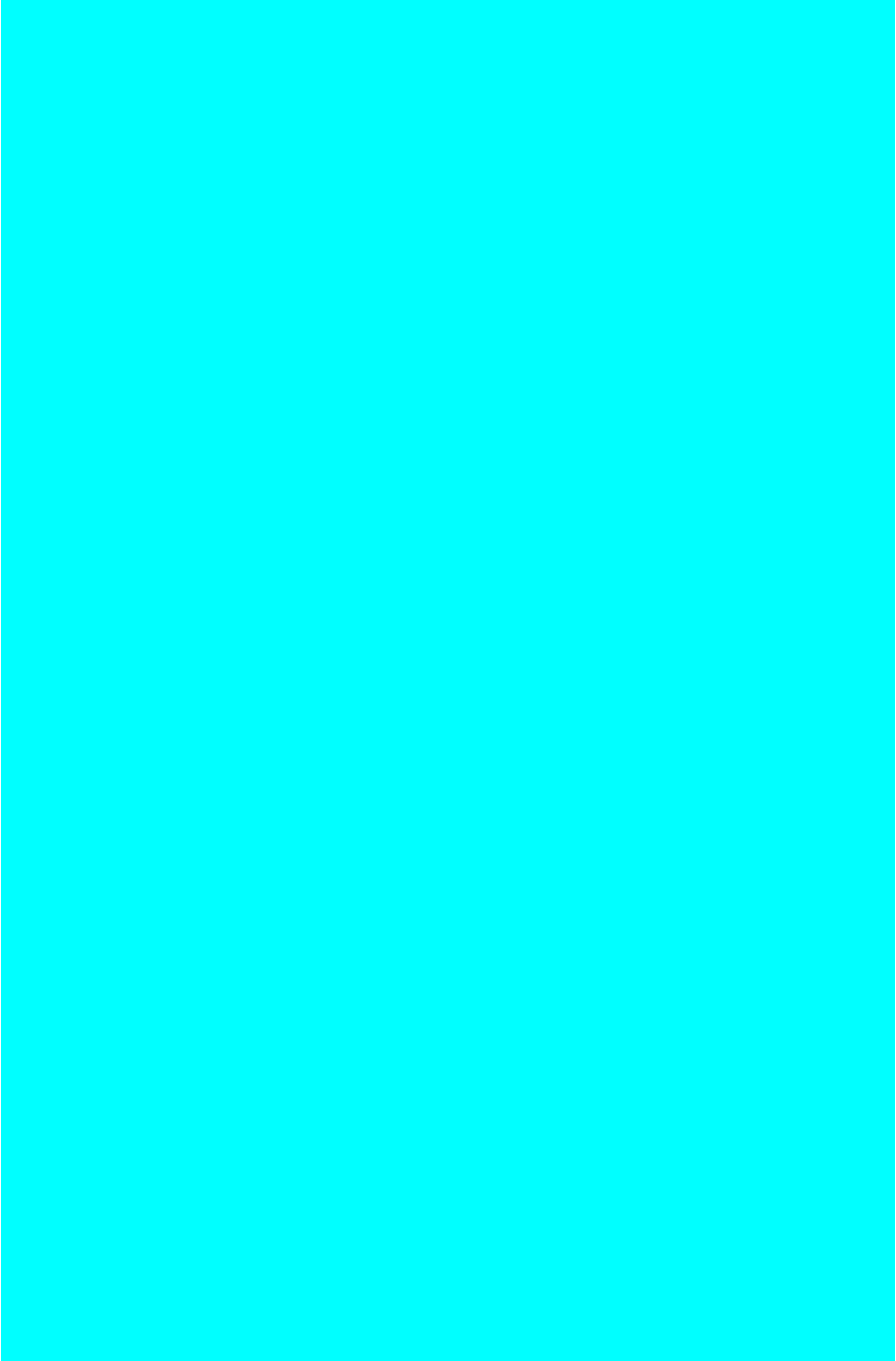




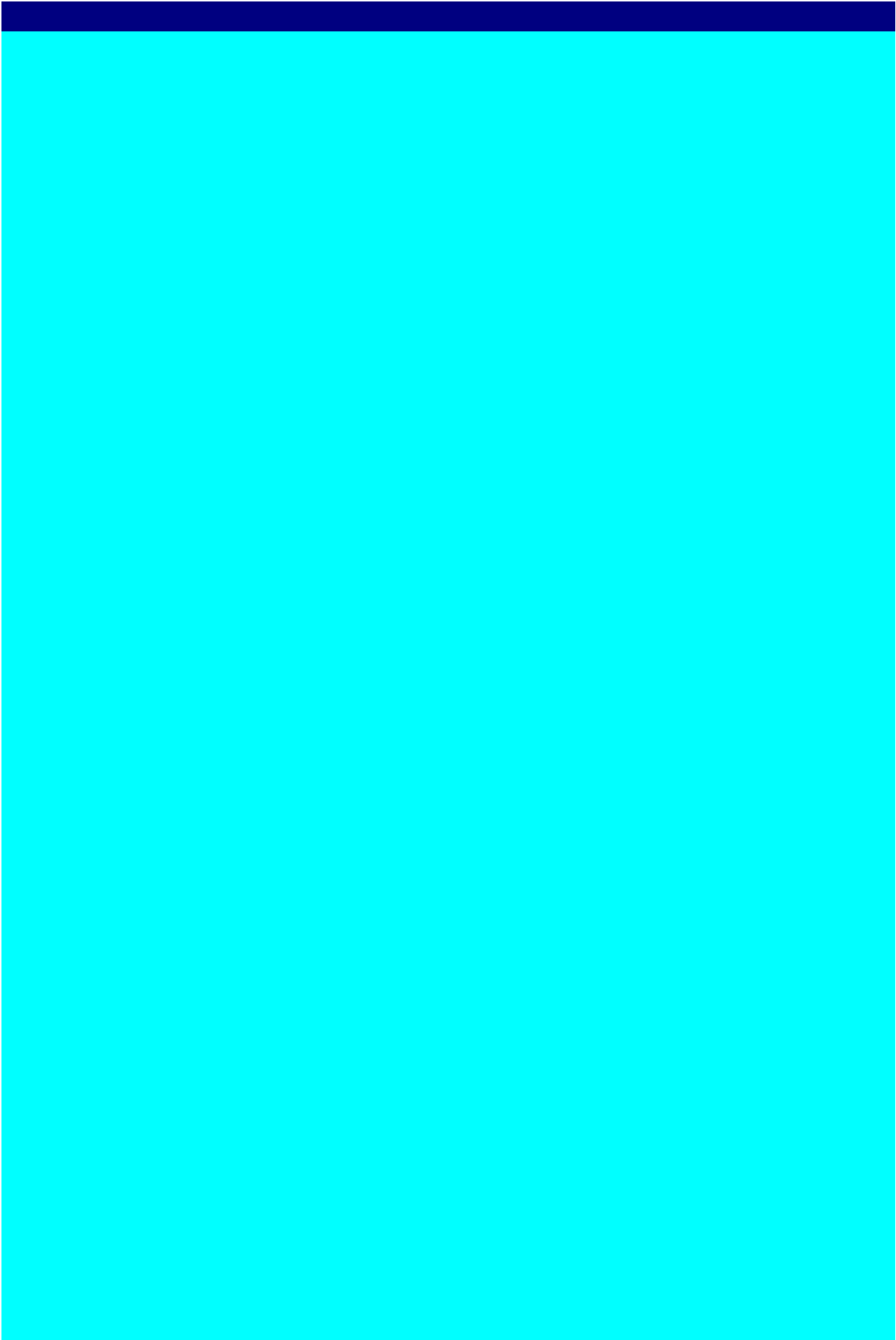


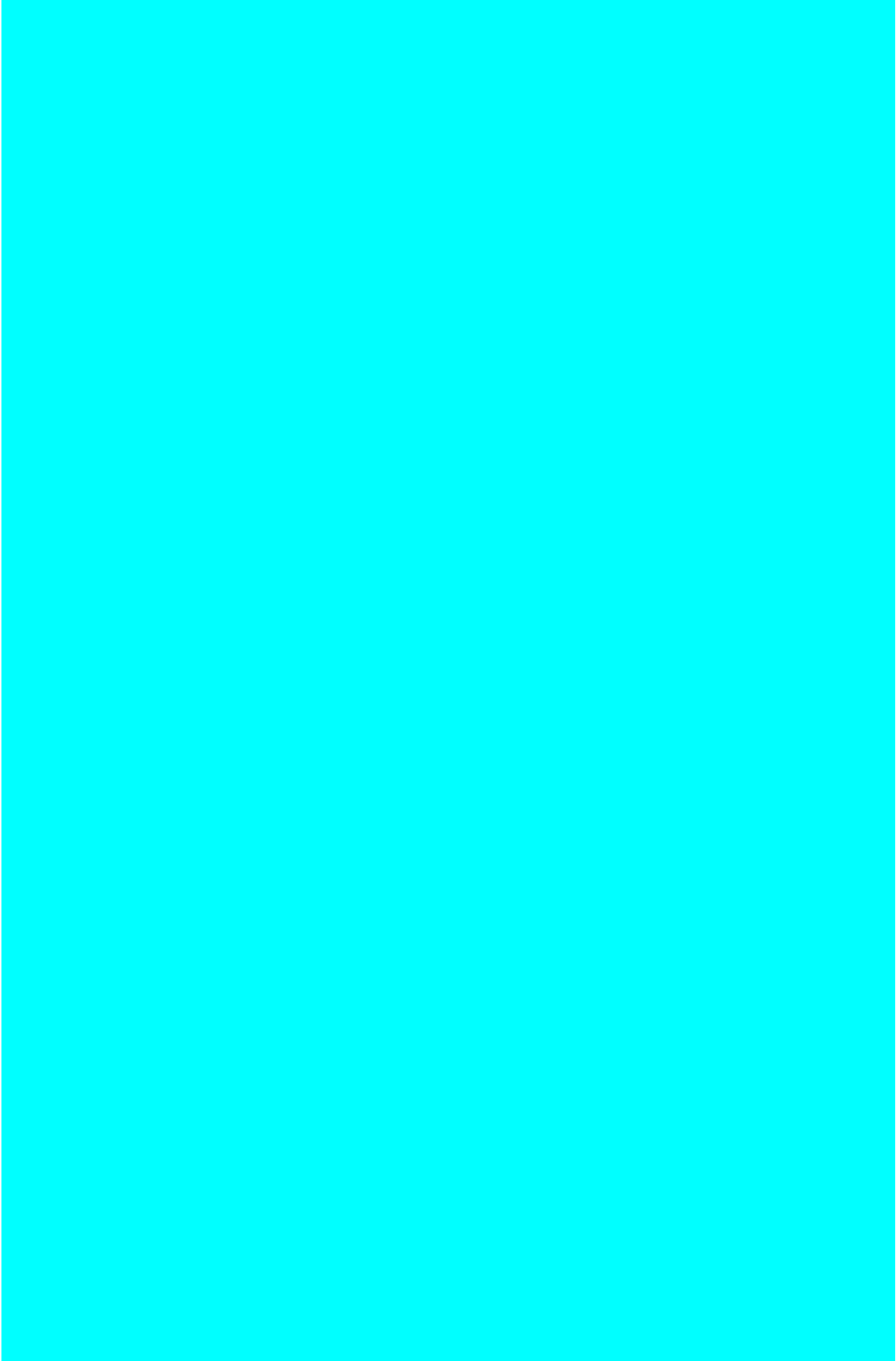


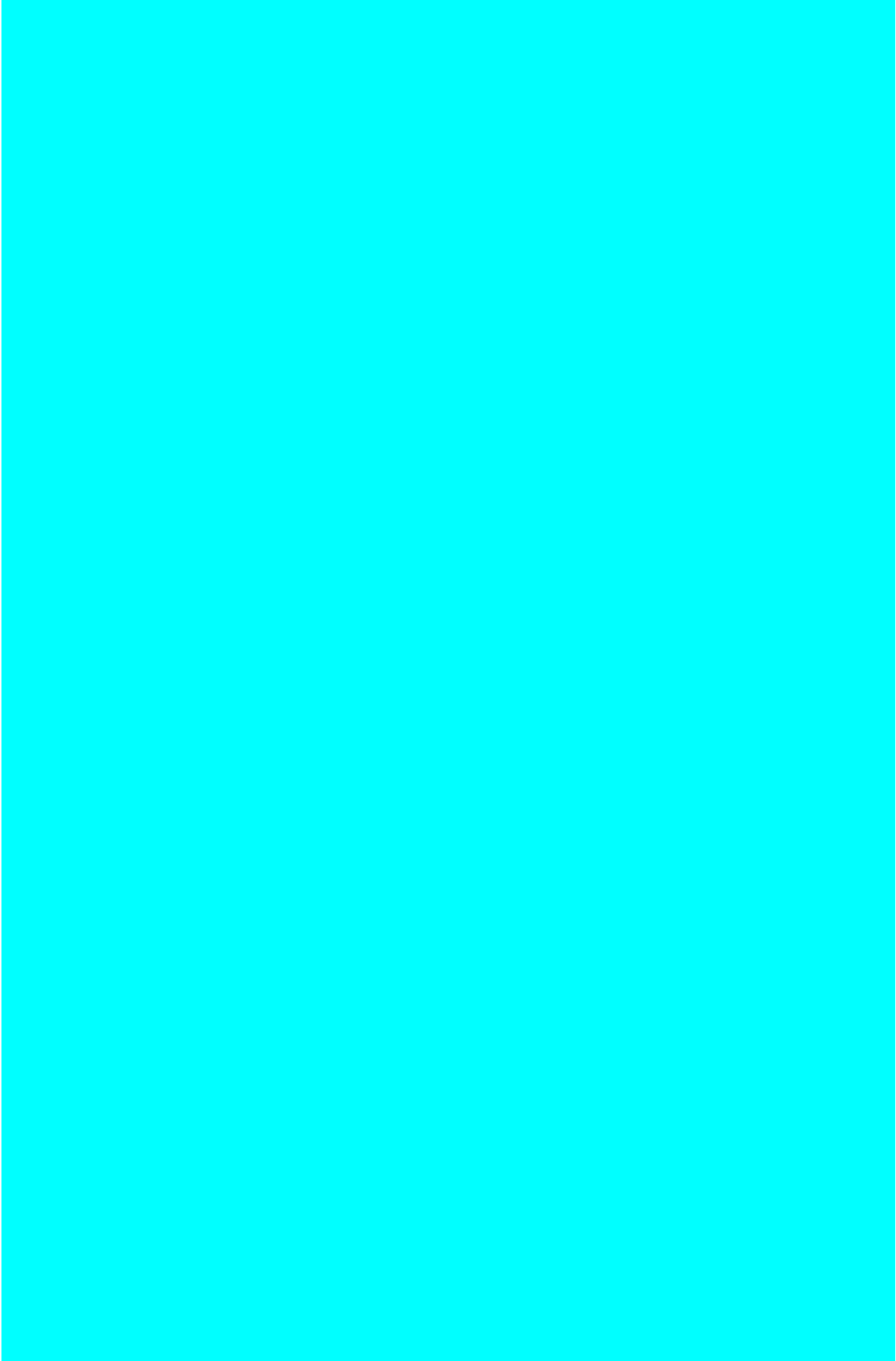


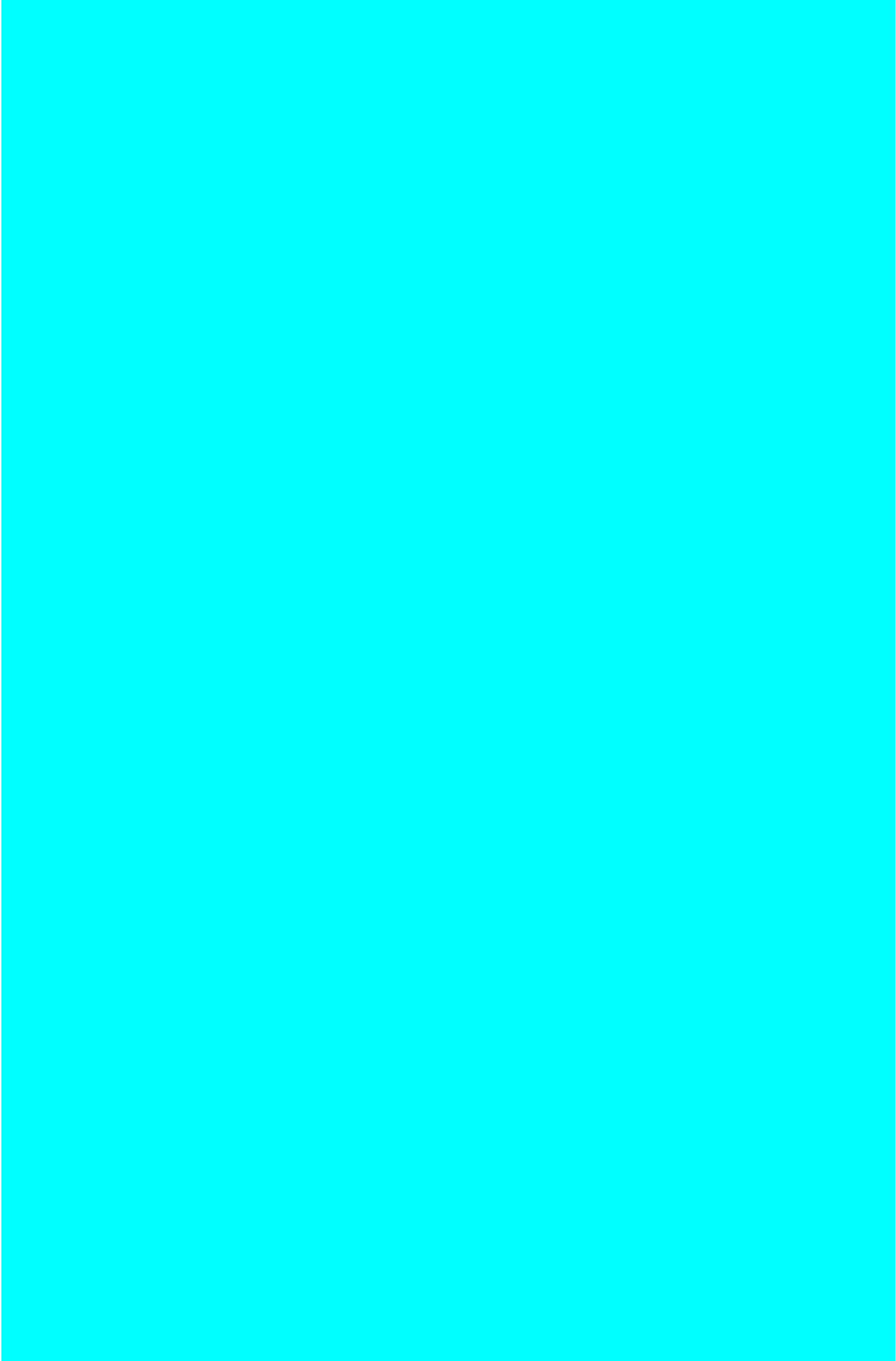


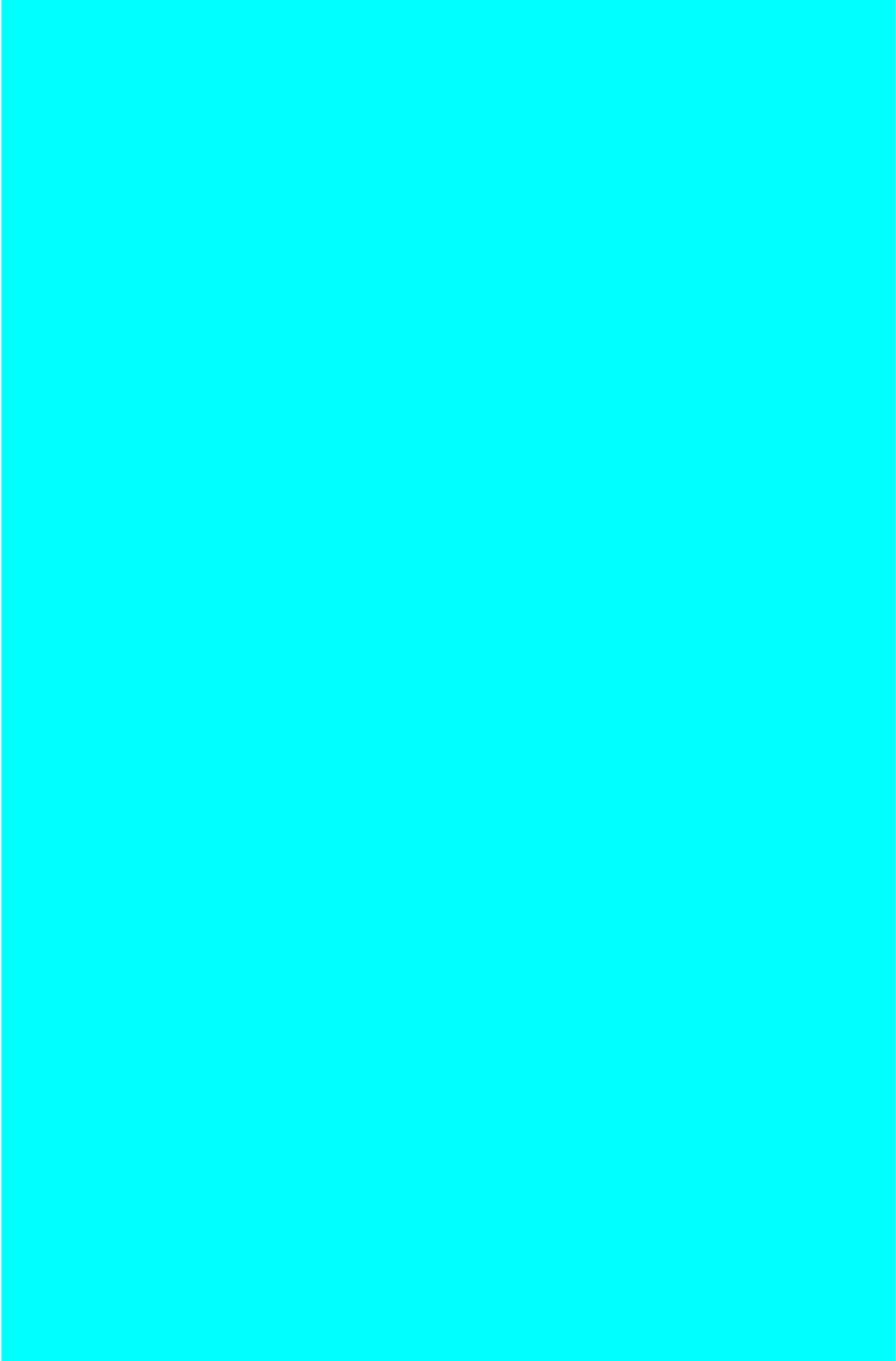




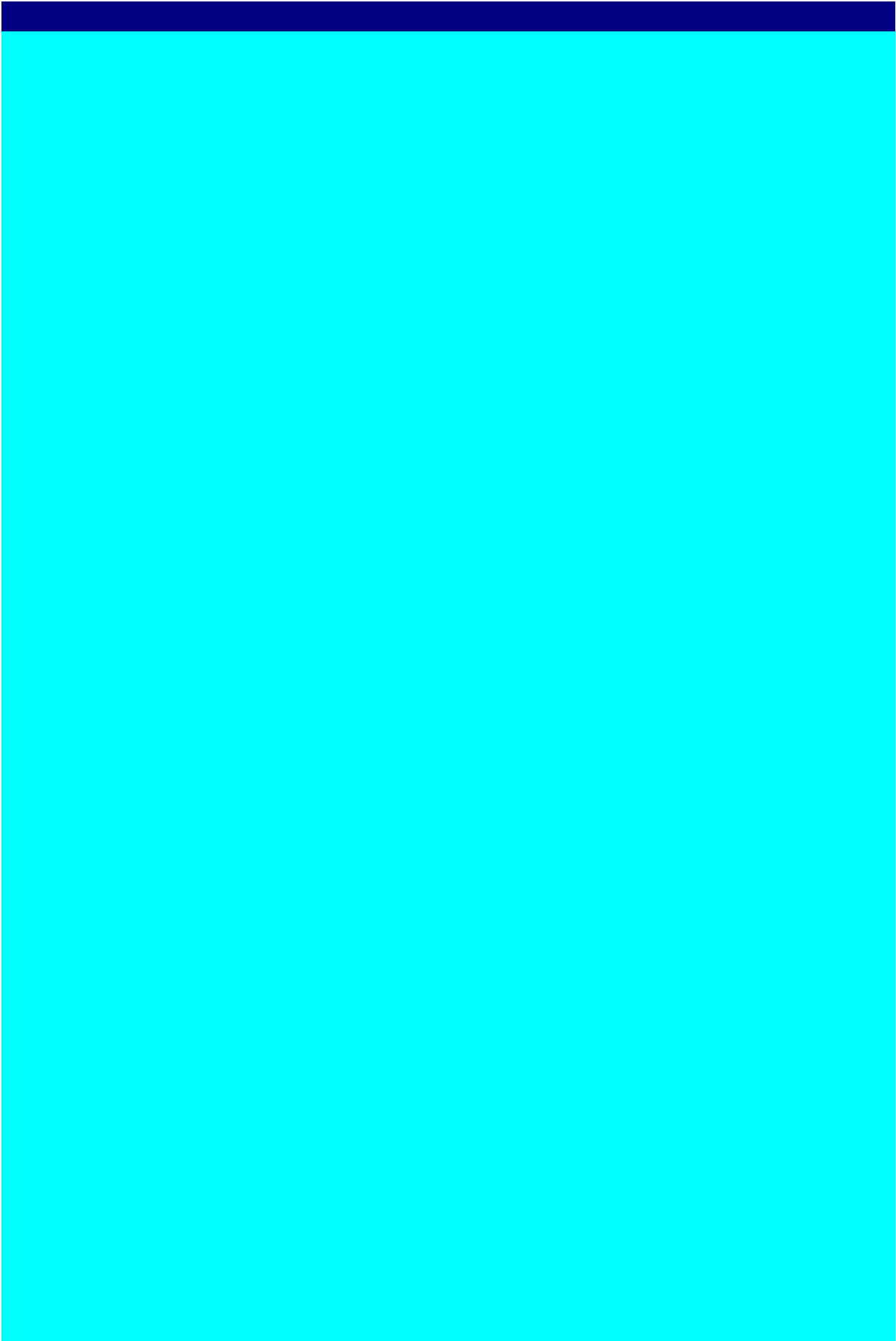


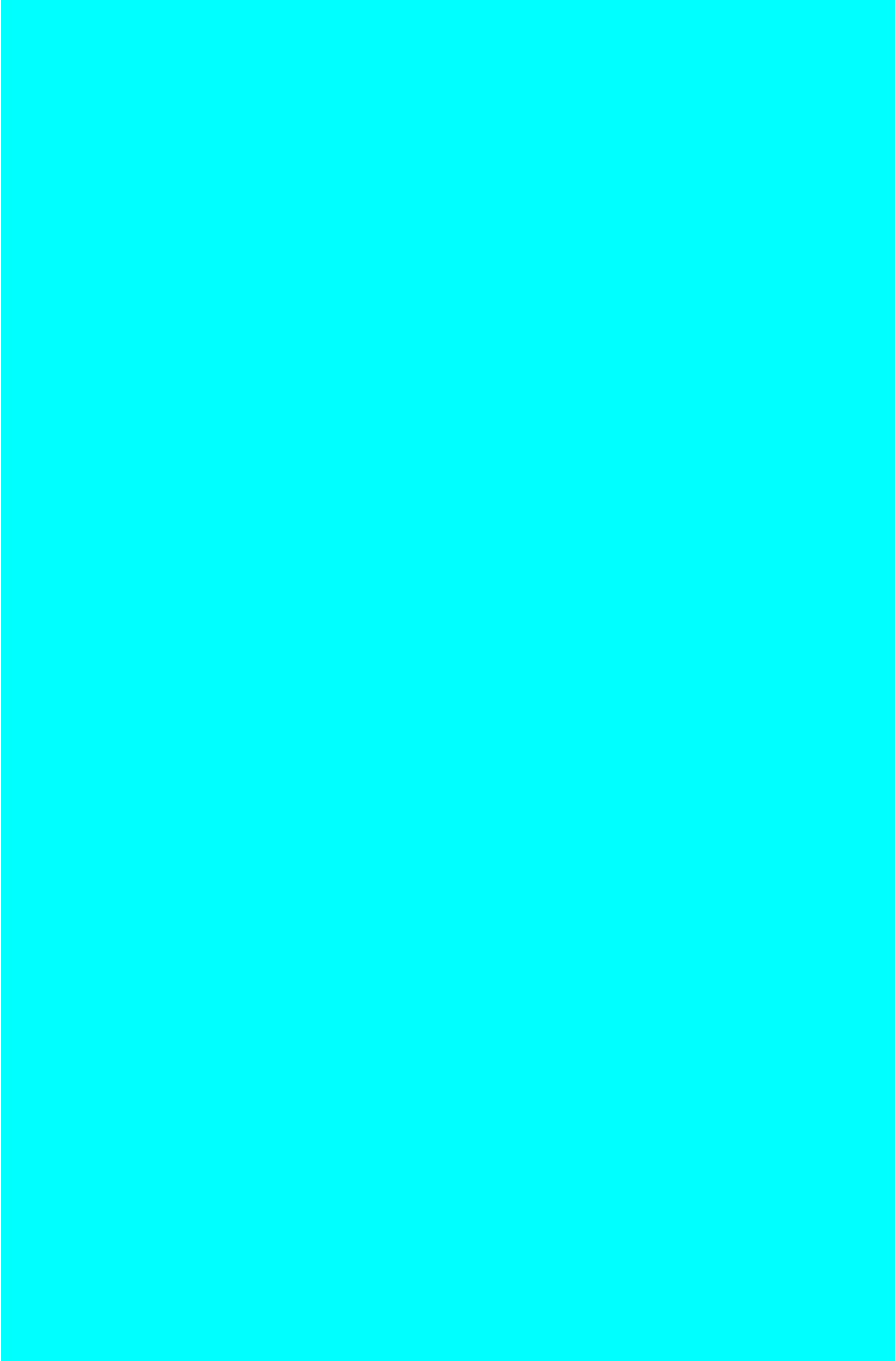


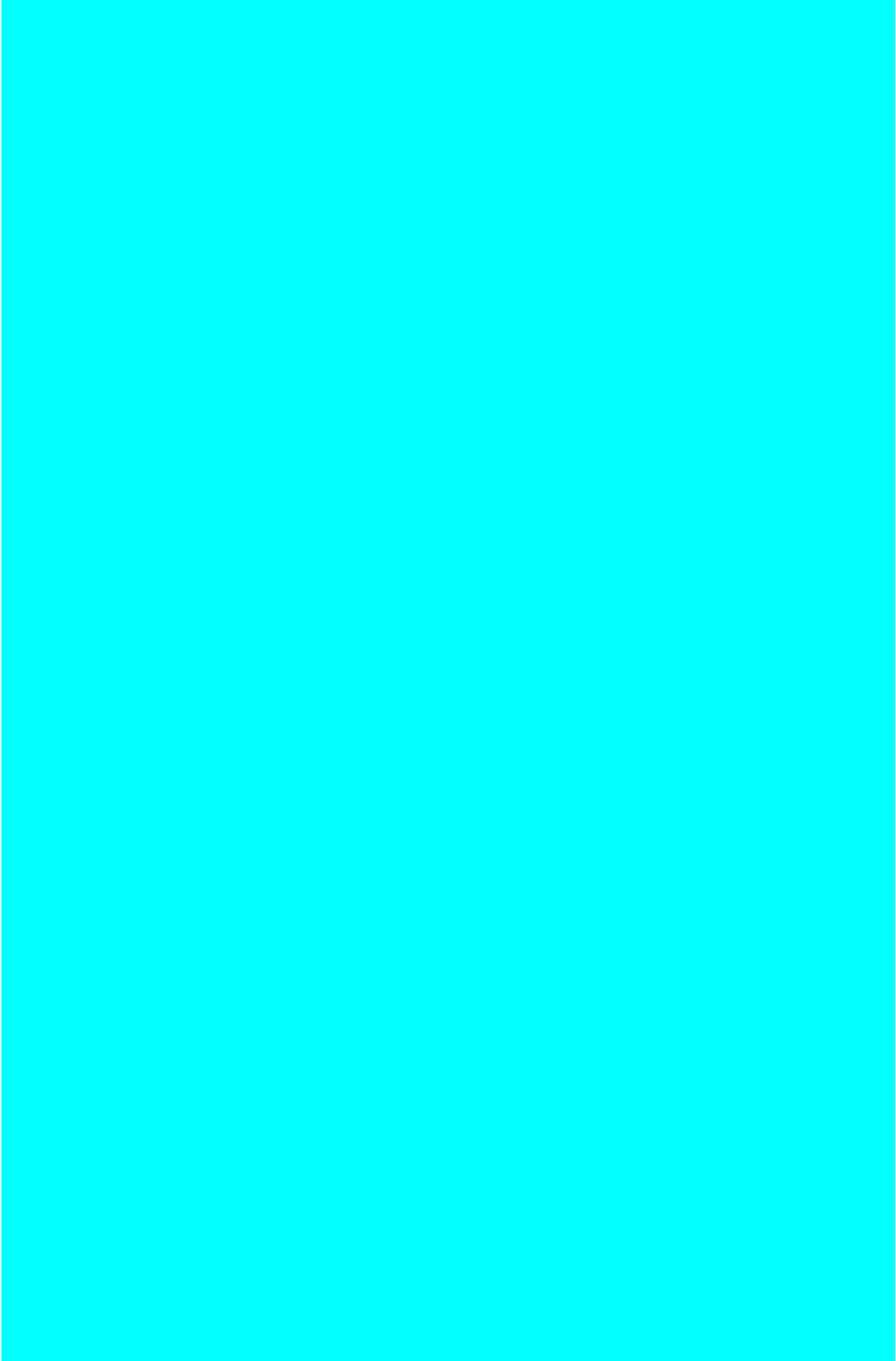


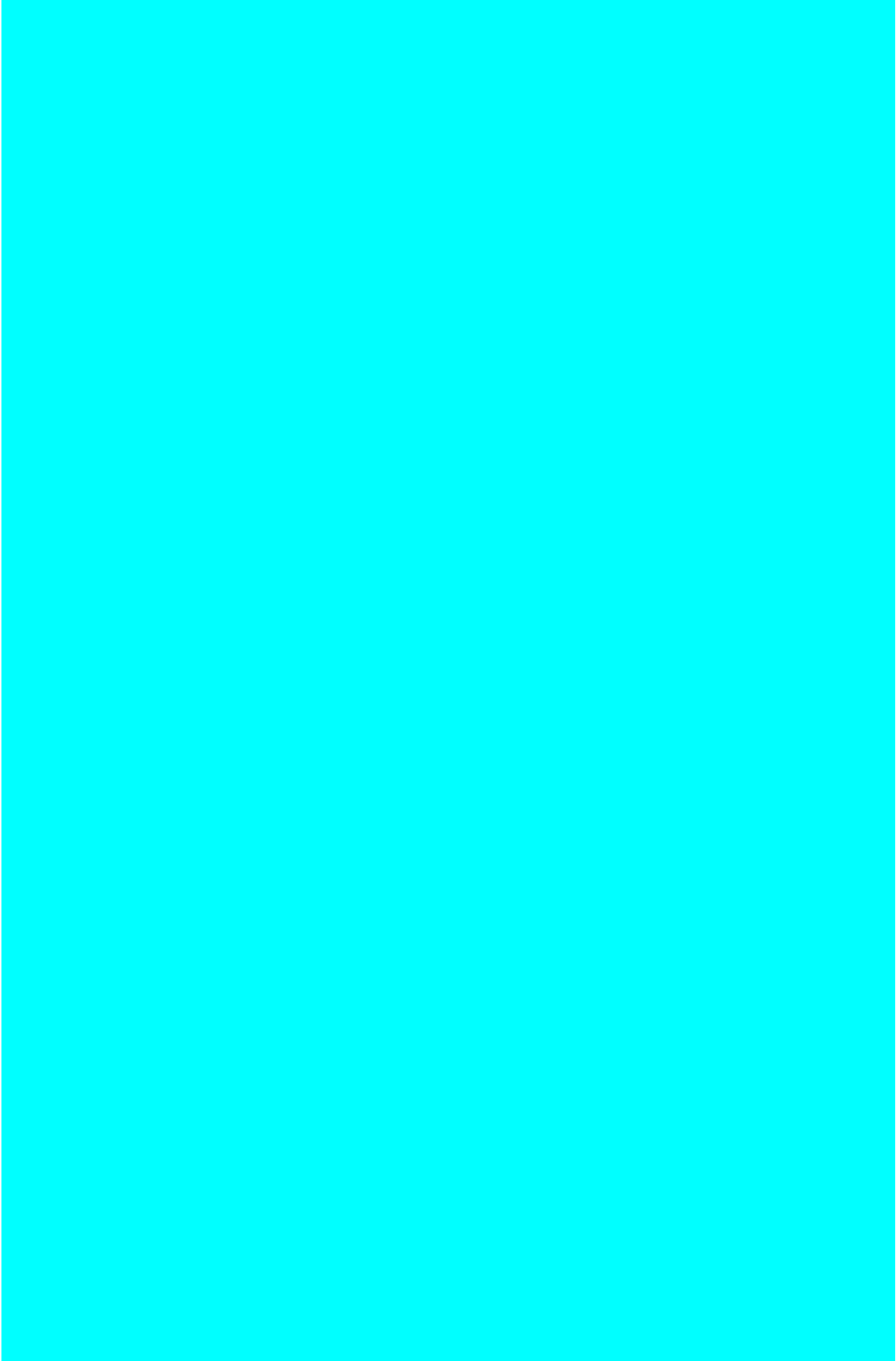


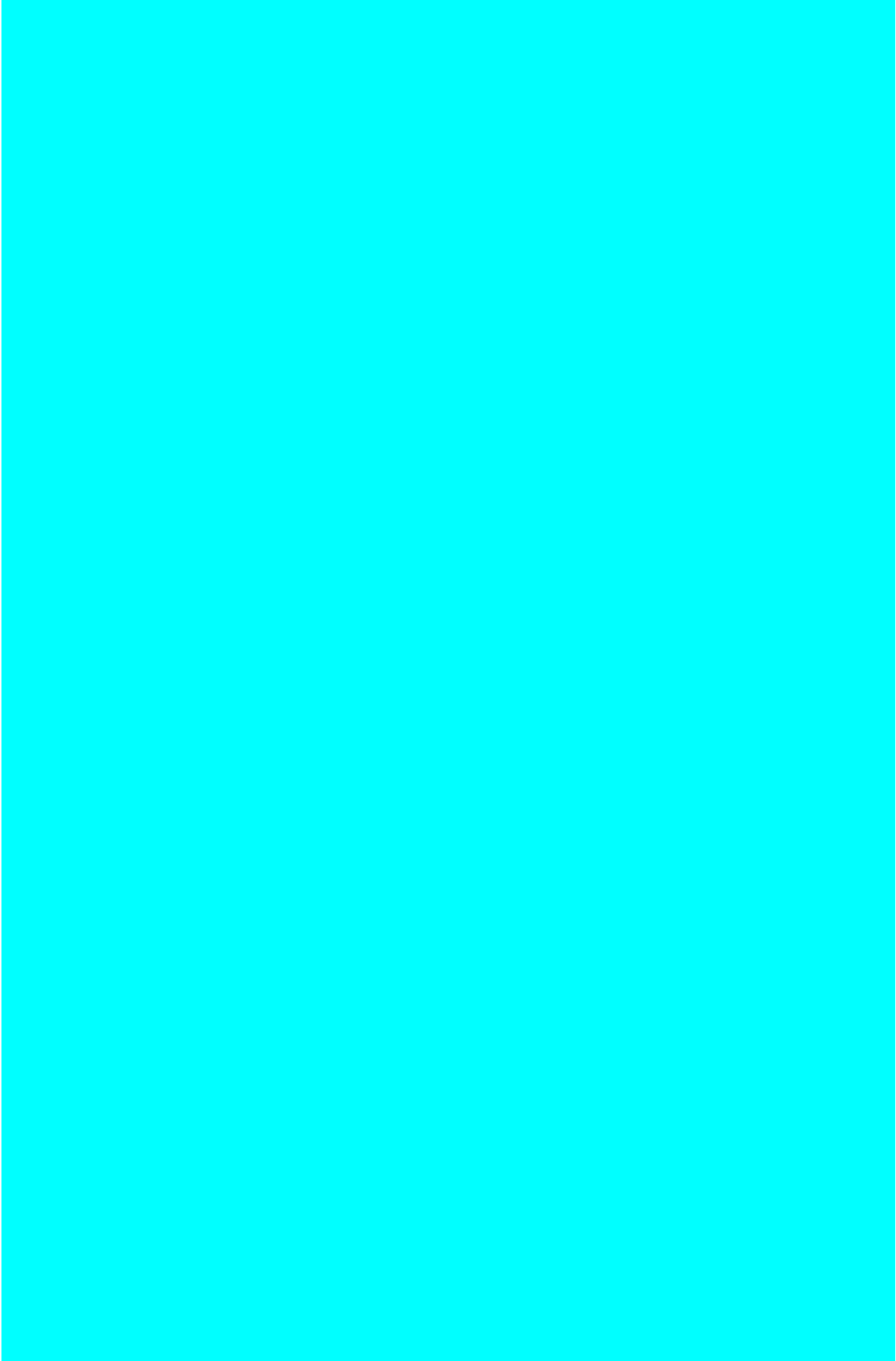




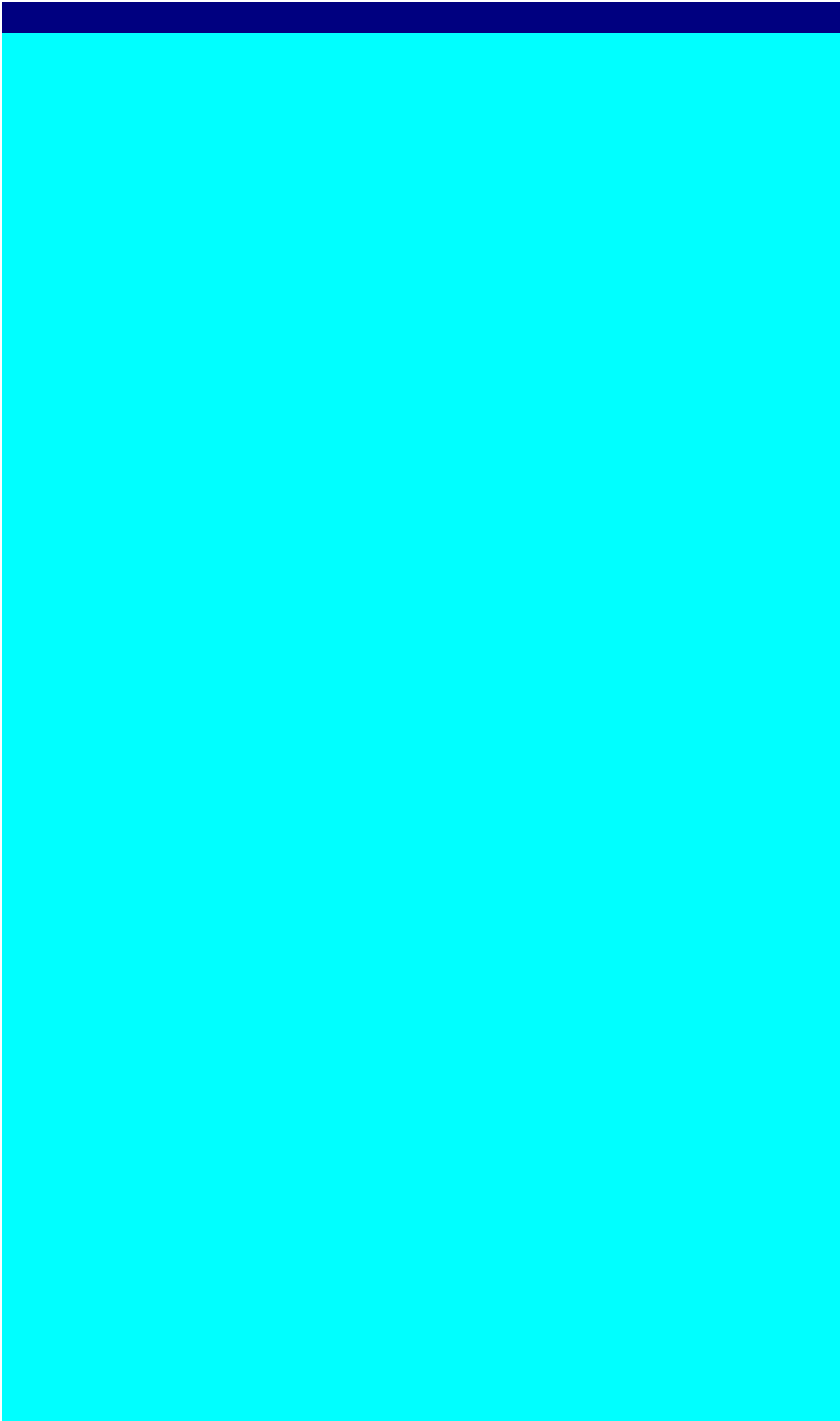


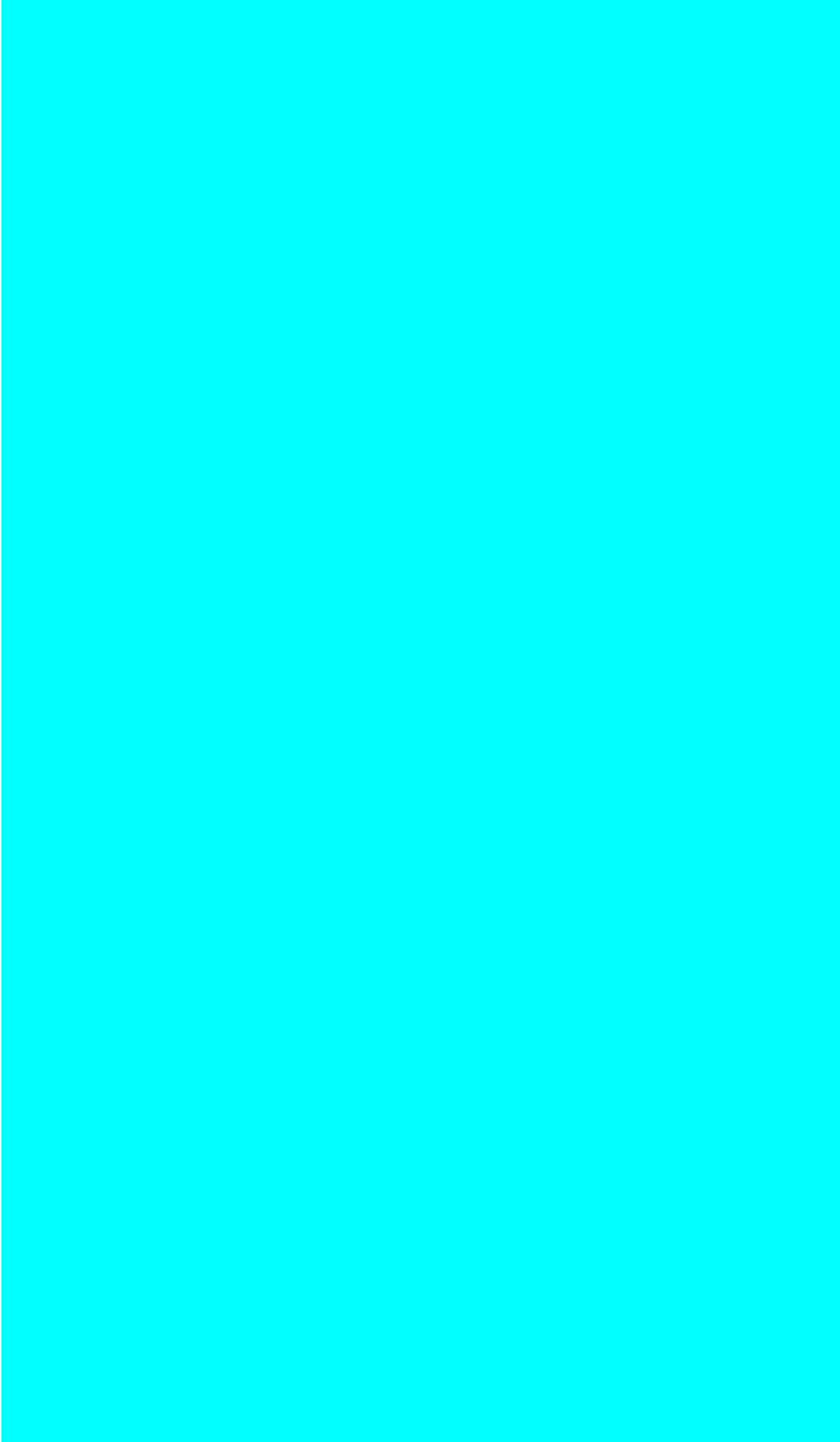


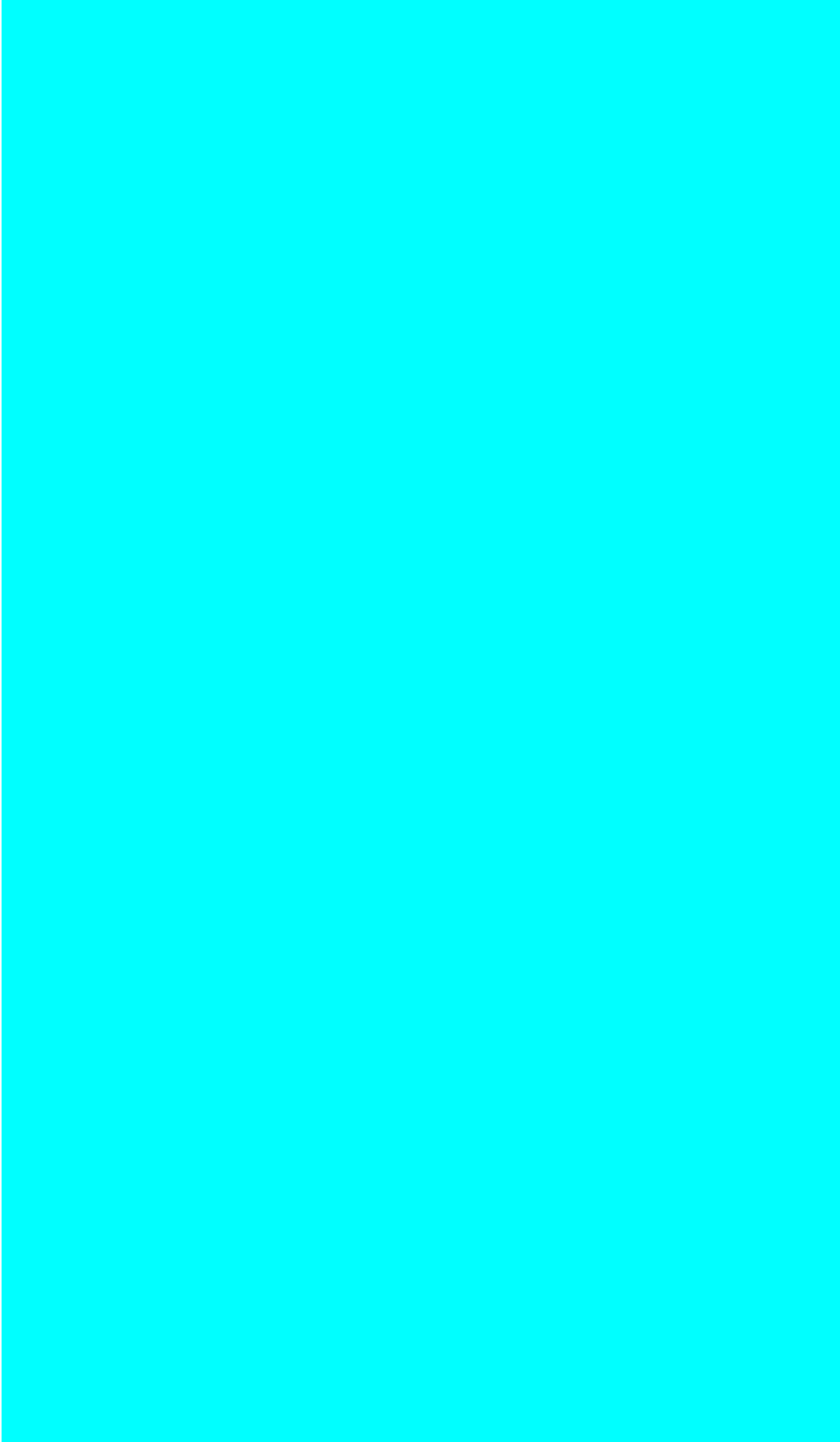


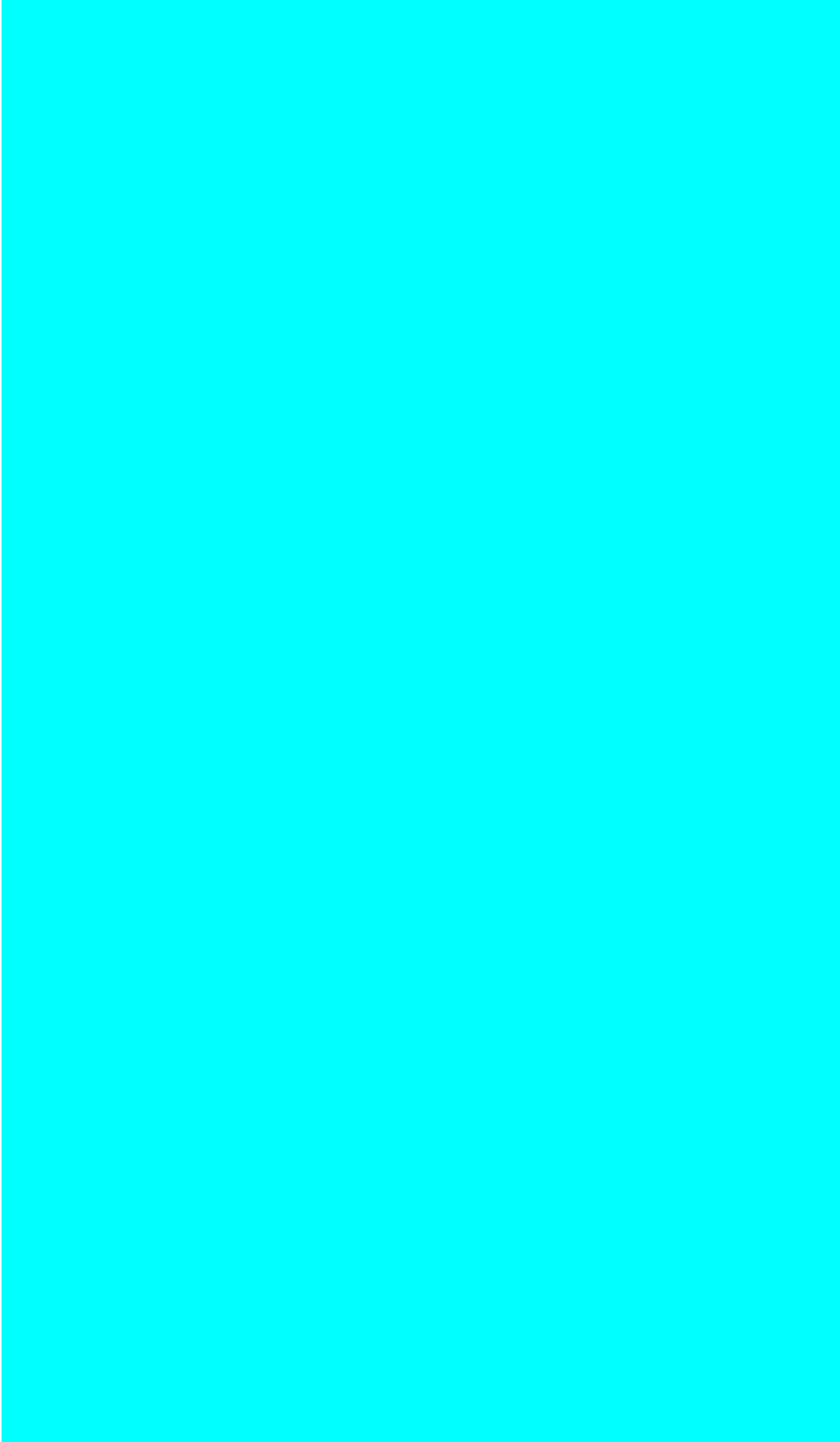


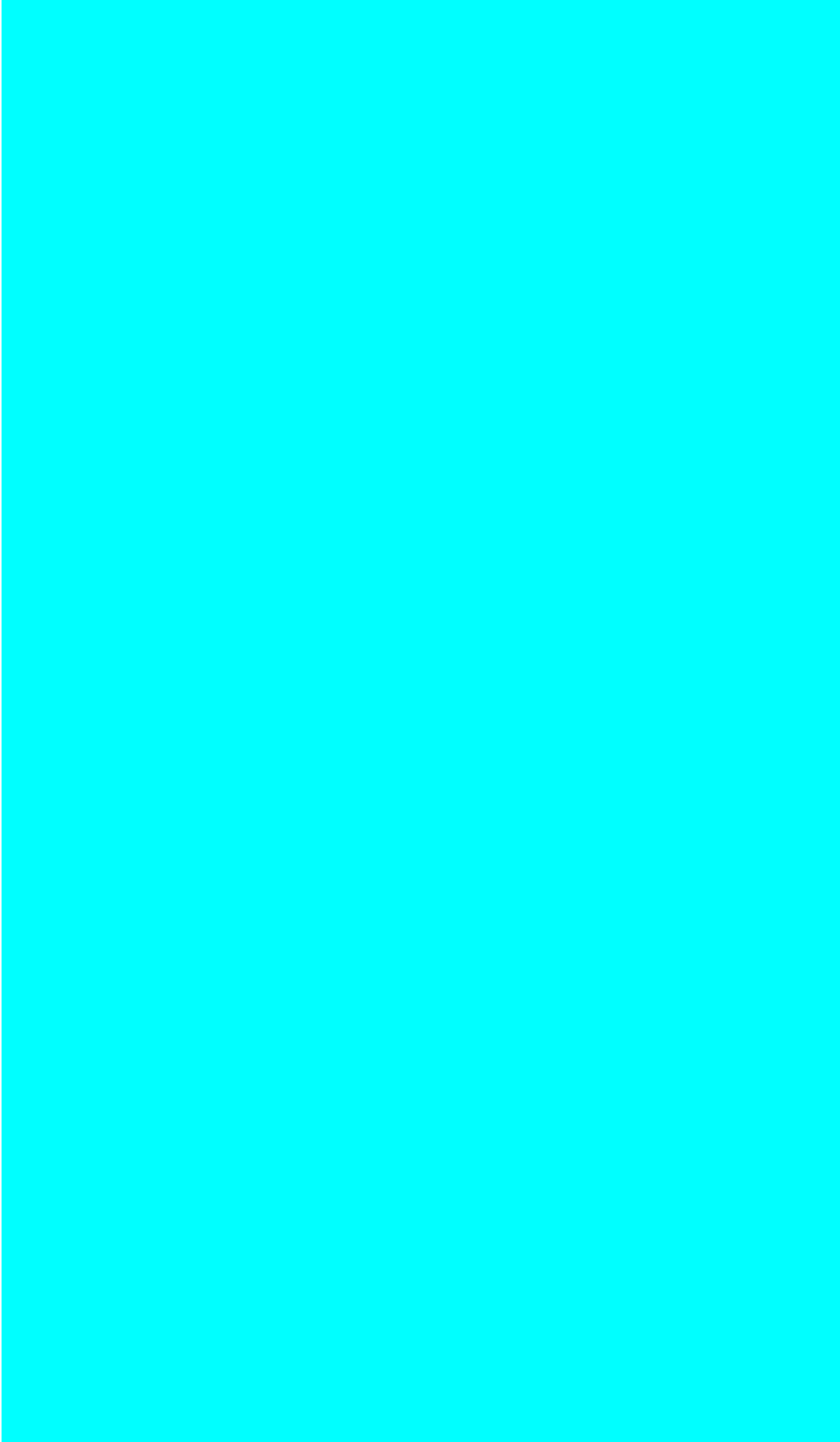


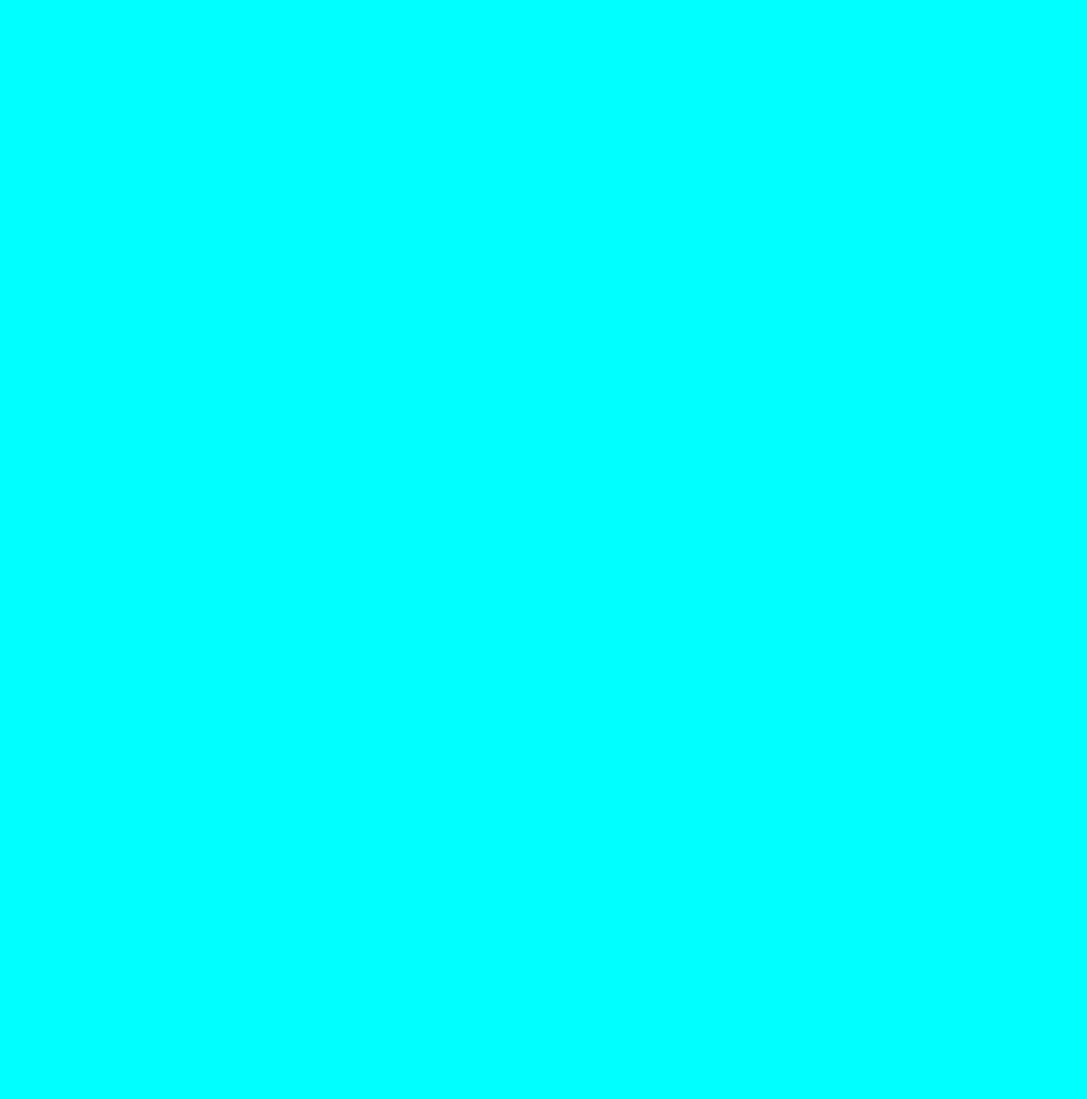










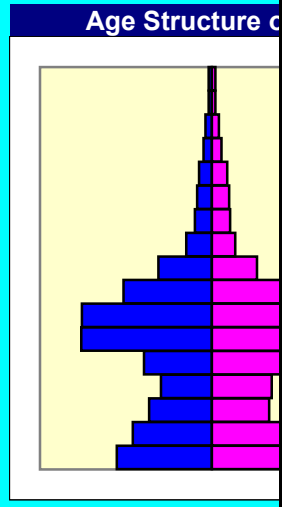


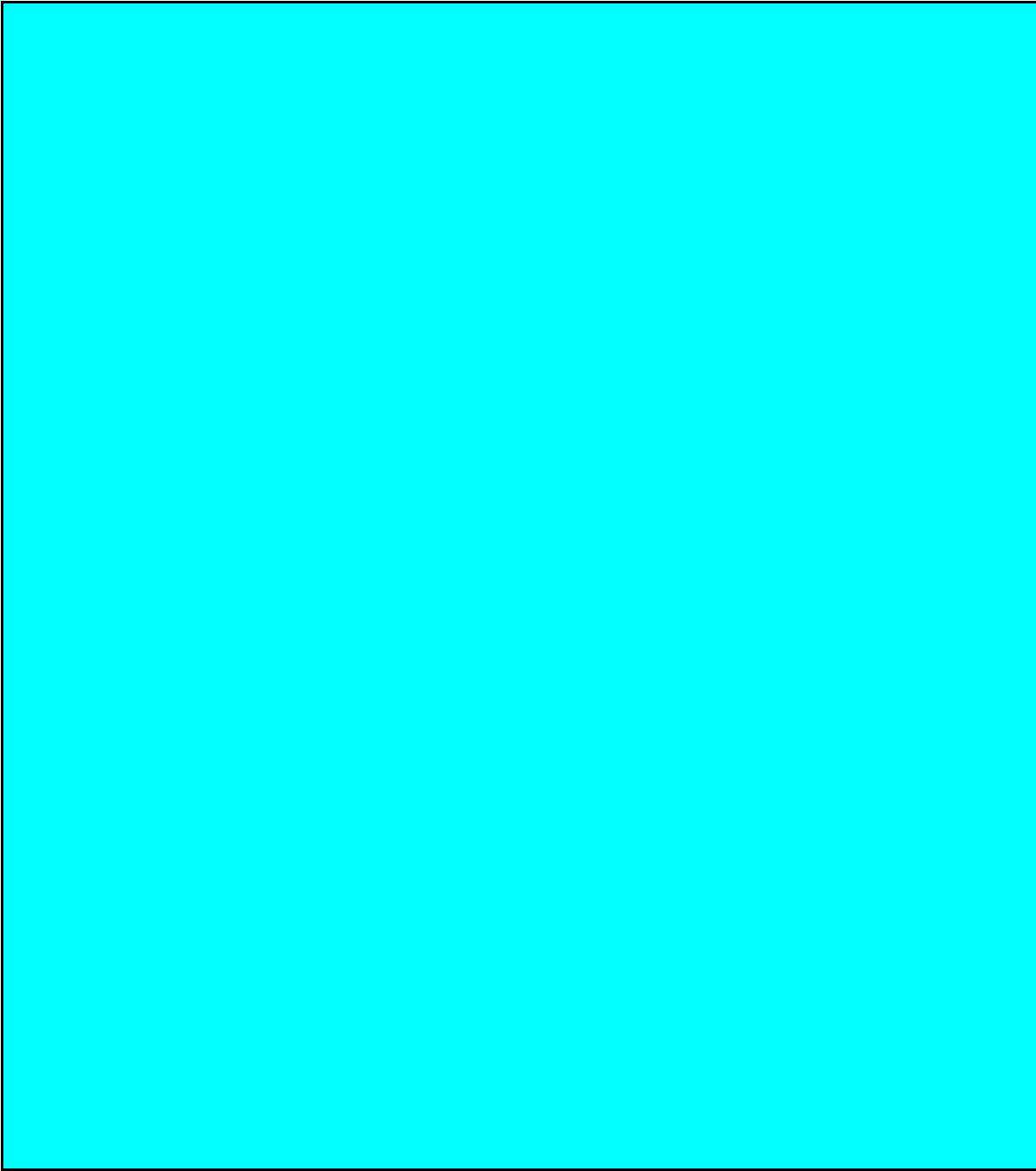
Net Migration - Age Structure at the Start of the Period

*EITHER select a base population from the menu,
OR, to enter your own data, first select 'User Data' from the top of the Data Menu list,
then type percentages (based on total net migration, negative figures for losses) in the yellow*

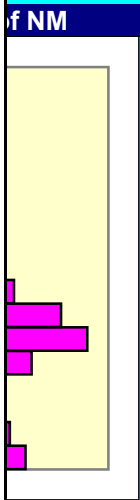
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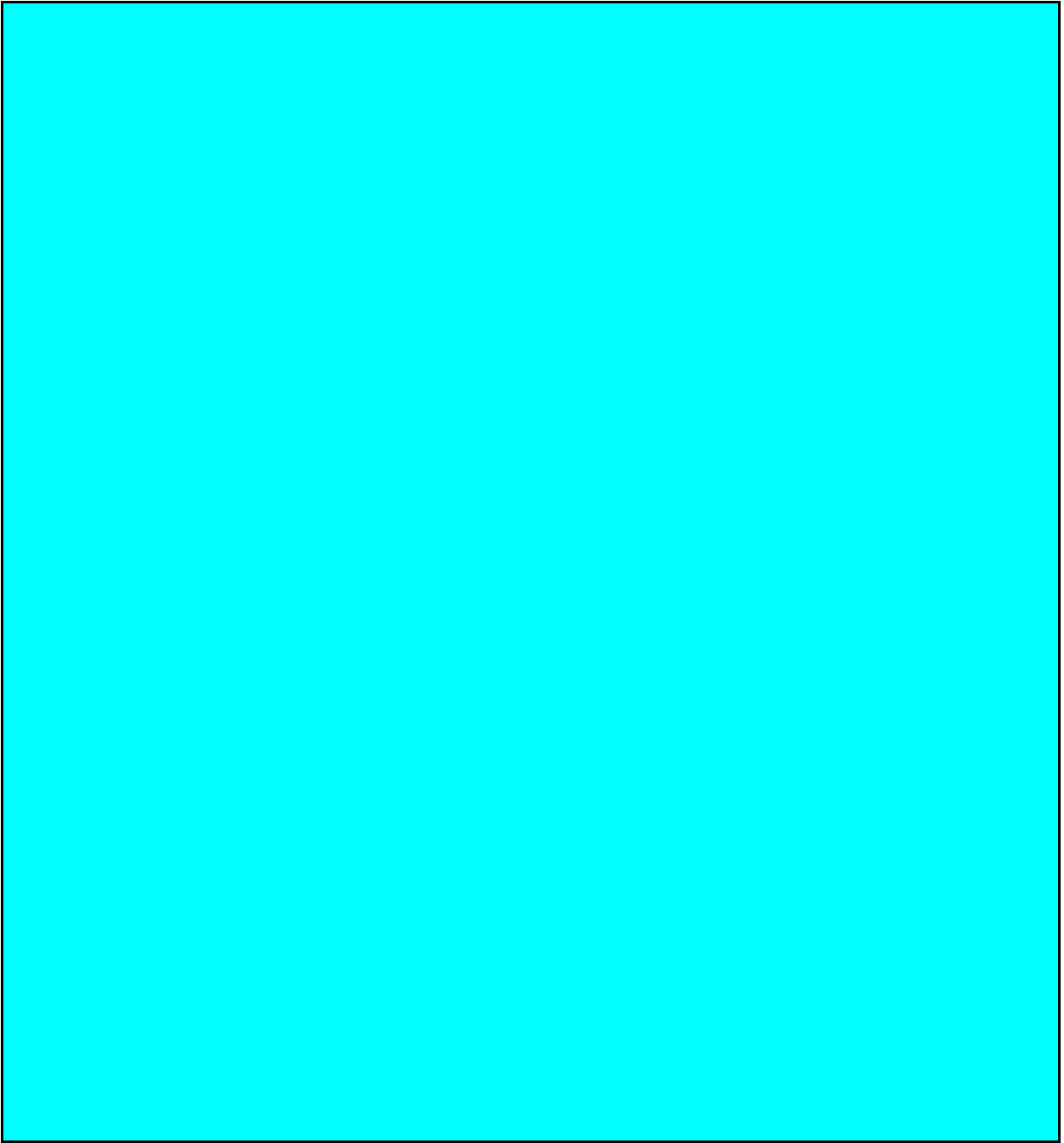
Age	Selected Data		User Data (Percentages)	
	Males	Females	Males	Females
0- 4	5,5	5,2	5,5	5,2
5- 9	4,6	4,3	4,6	4,3
10-14	3,7	3,3	3,7	3,3
15-19	3,0	3,5	3,0	3,5
20-24	3,9	5,5	3,9	5,5
25-29	7,6	8,8	7,6	8,8
30-34	7,5	7,2	7,5	7,2
35-39	5,1	4,5	5,1	4,5
40-44	3,1	2,6	3,1	2,6
45-49	1,5	1,4	1,5	1,4
50-54	1,0	1,1	1,0	1,1
55-59	0,8	1,0	0,8	1,0
60-64	0,7	0,9	0,7	0,9
65-69	0,5	0,6	0,5	0,6
70-74	0,4	0,4	0,4	0,4
75-79	0,2	0,2	0,2	0,2
80+	0,2	0,2	0,2	0,2
Total	49,3	50,7	49,3	50,7

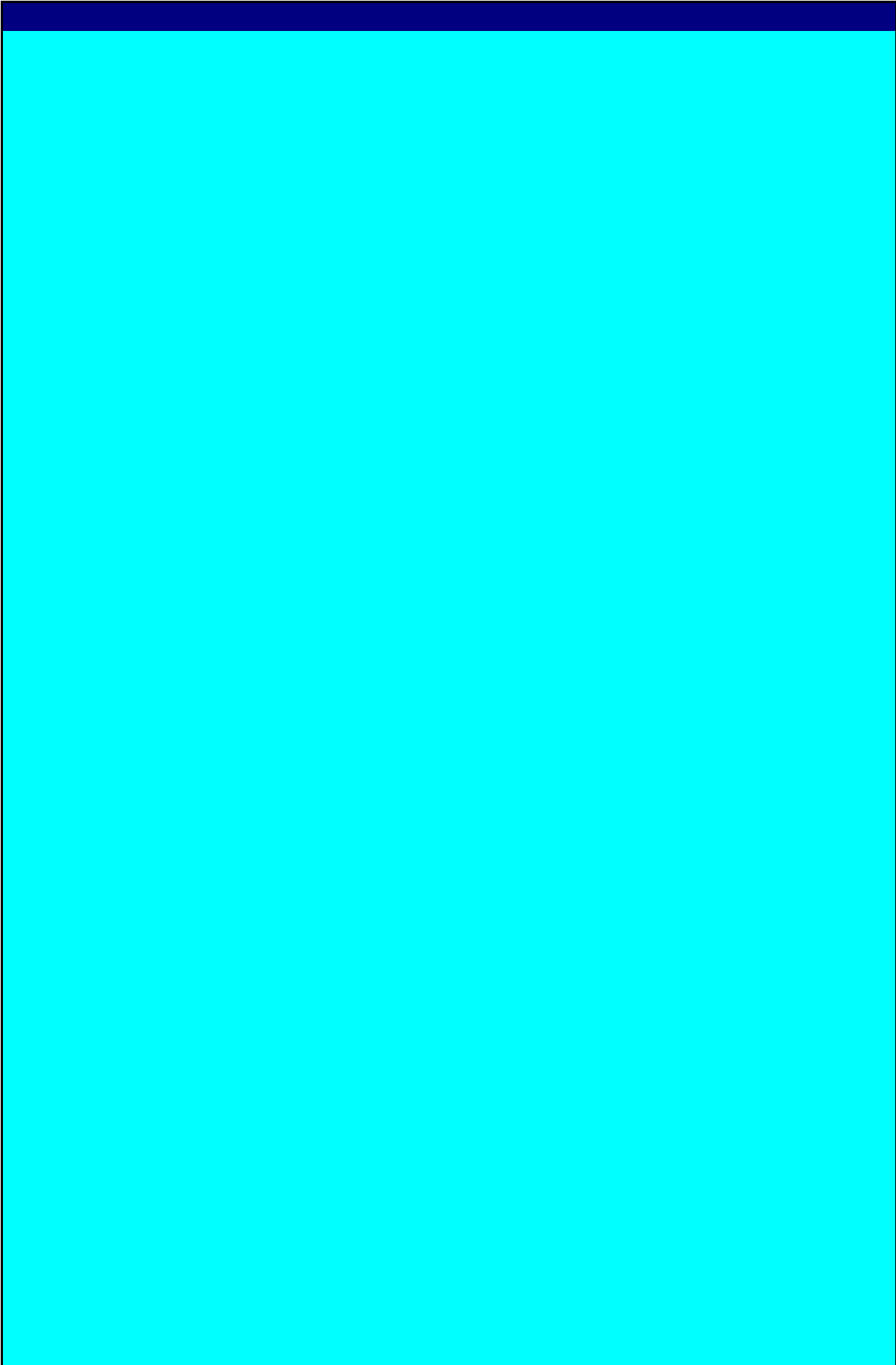


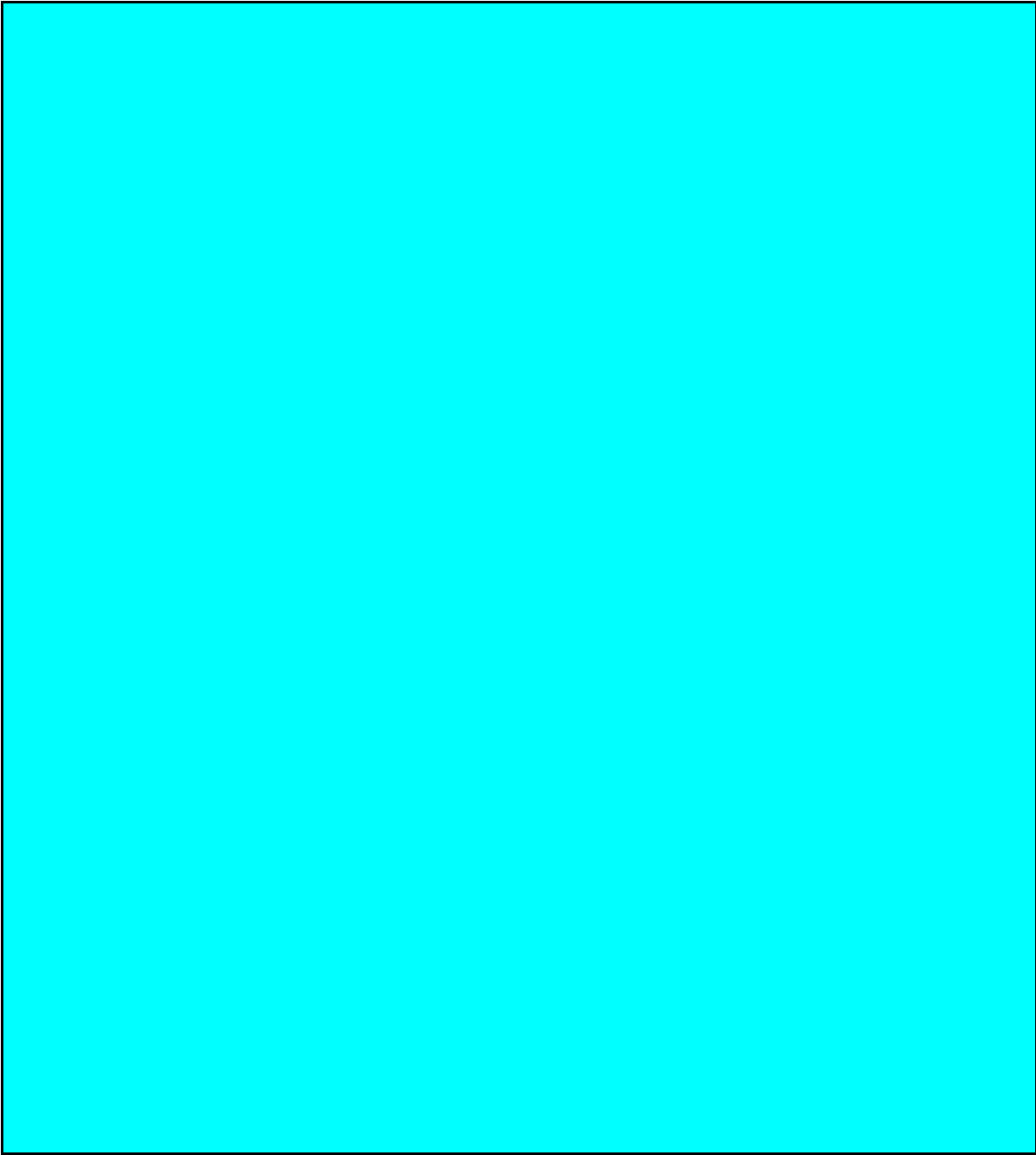


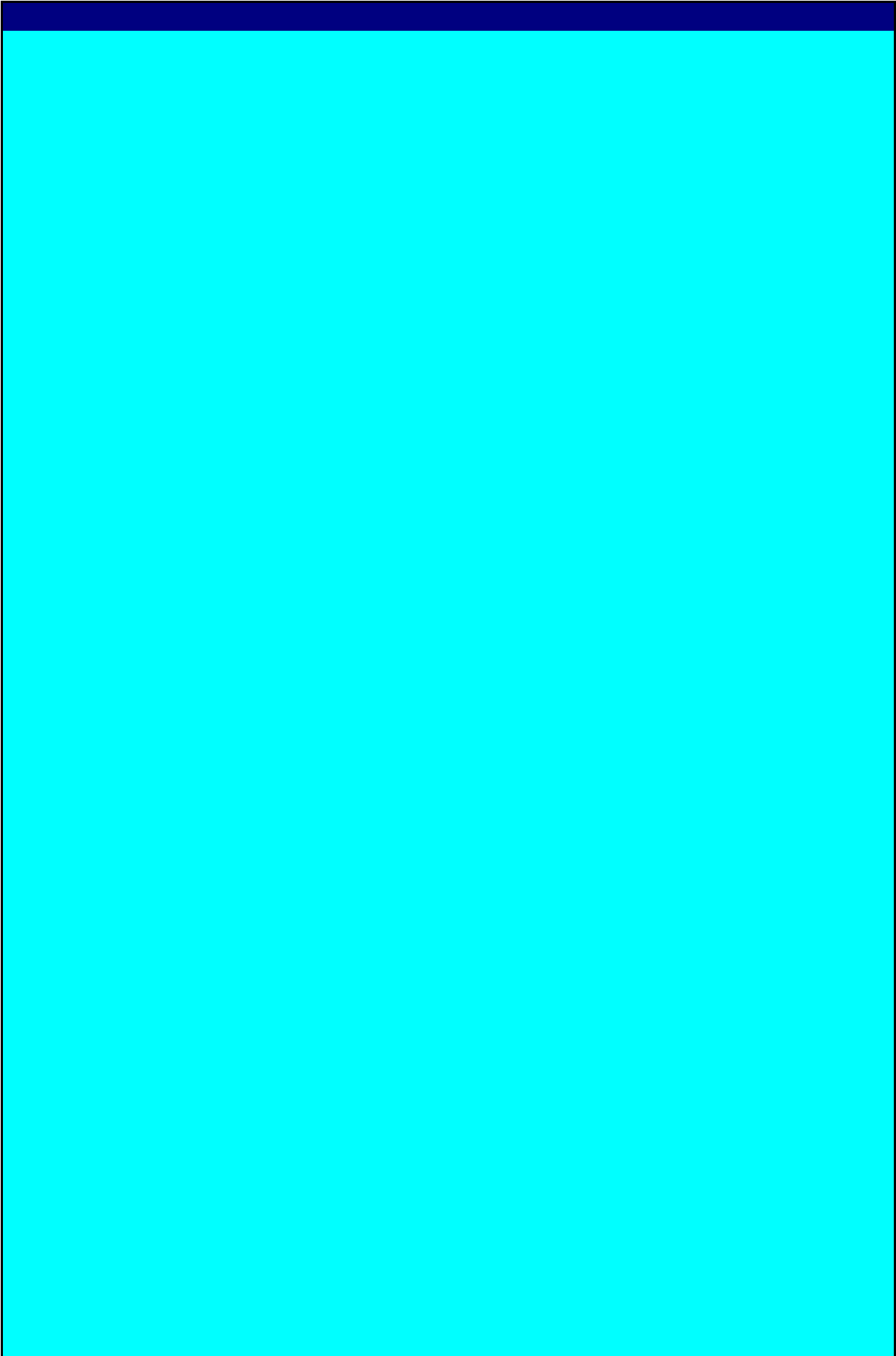
ow cells.

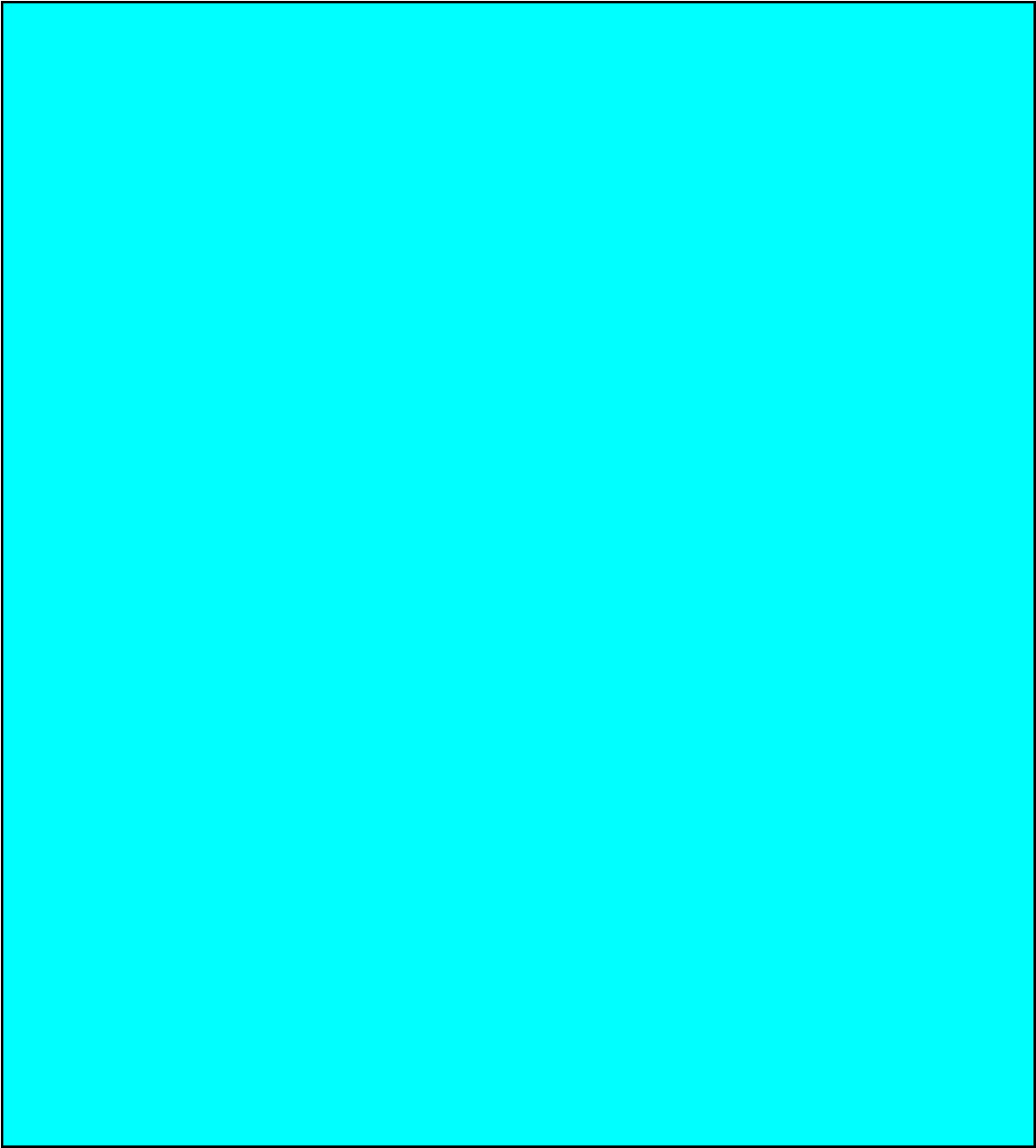


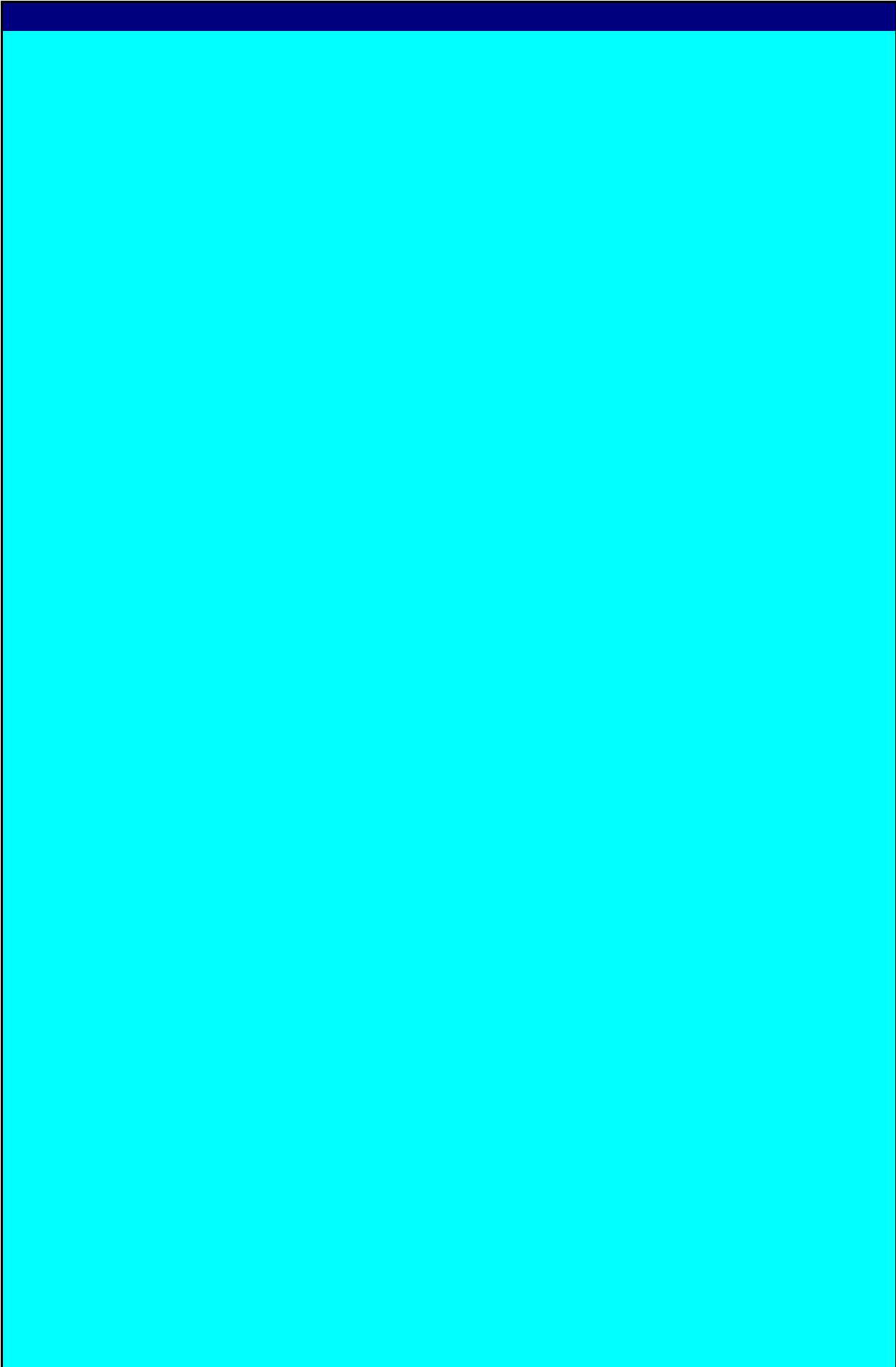


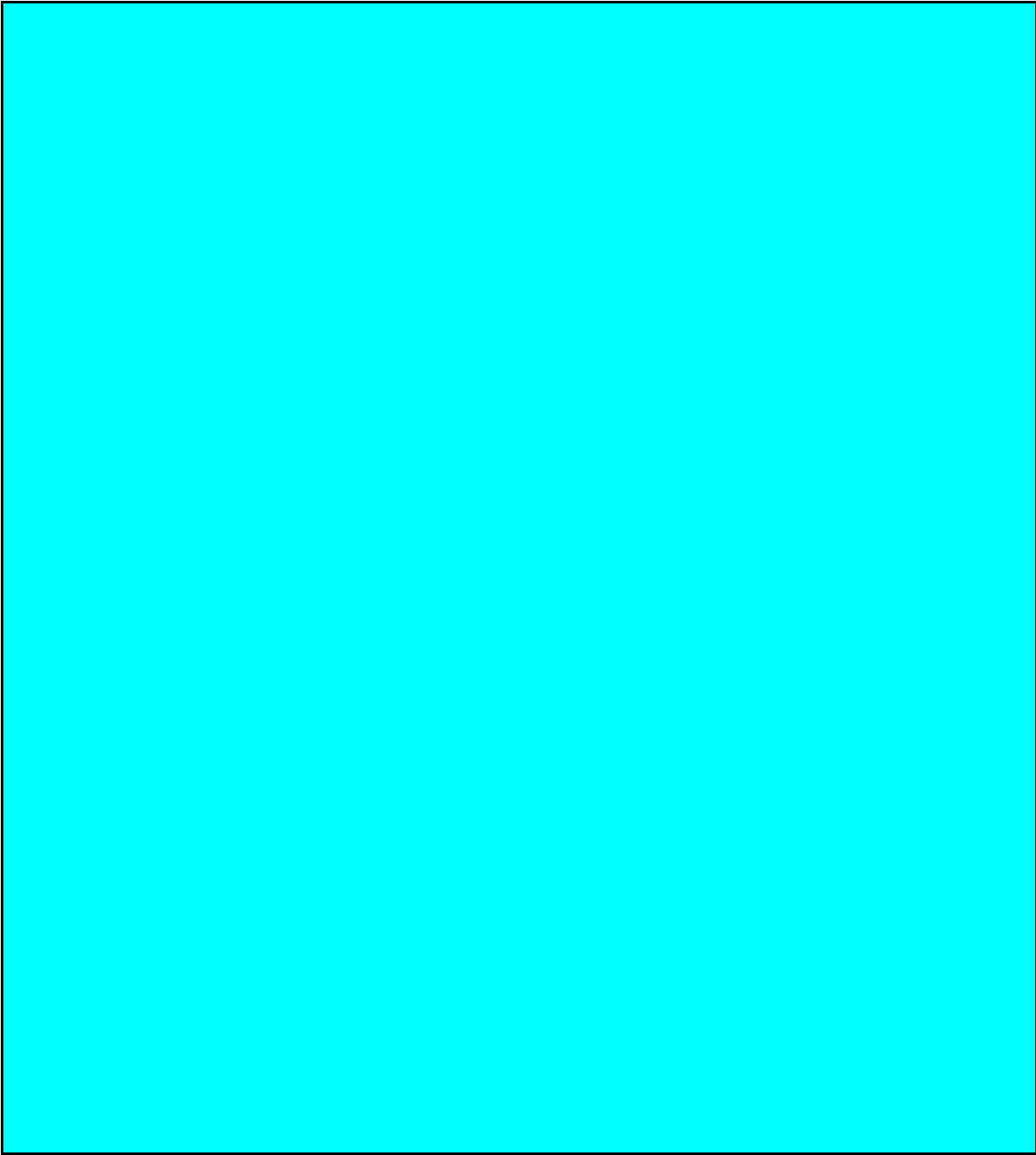


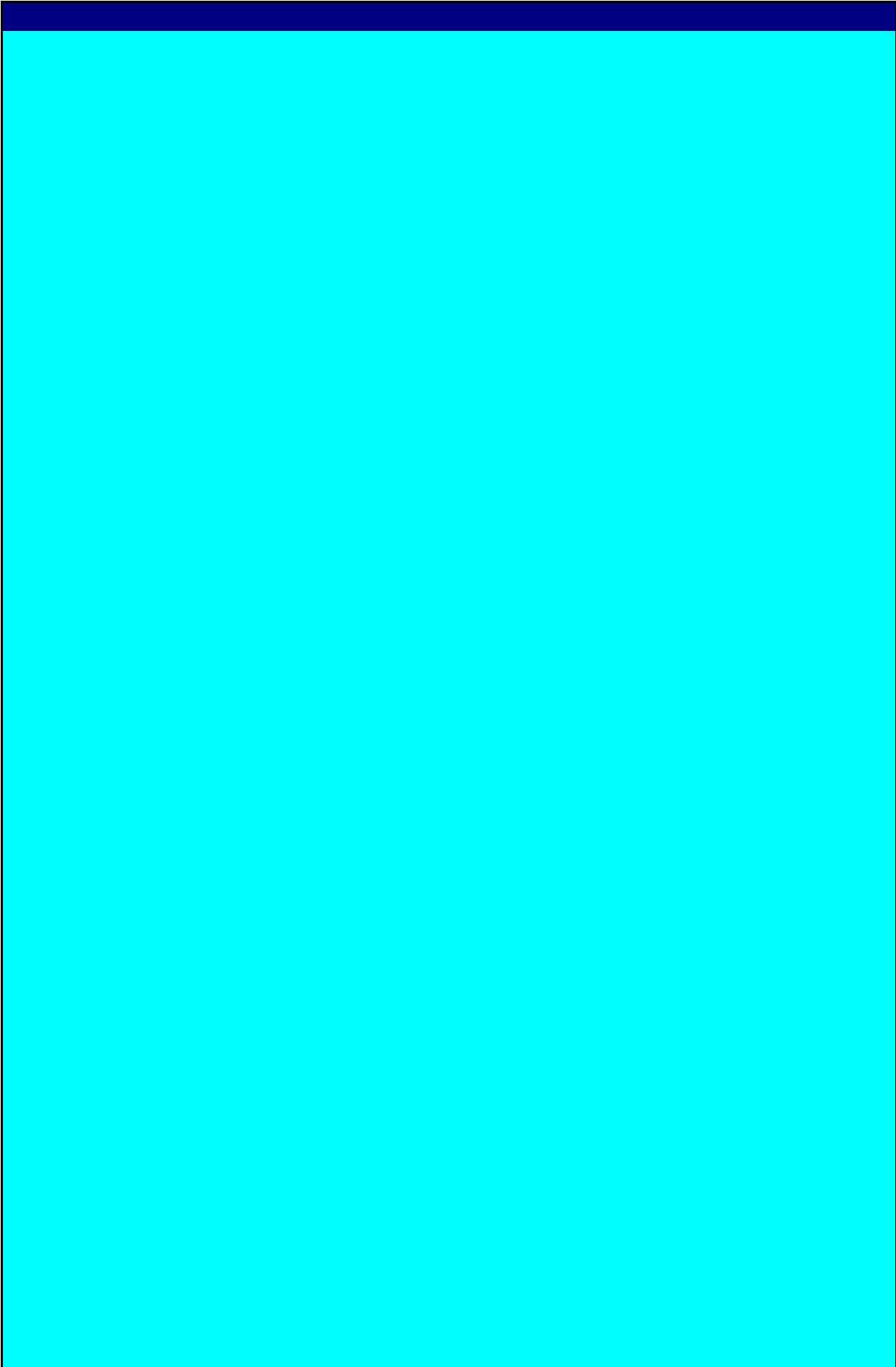


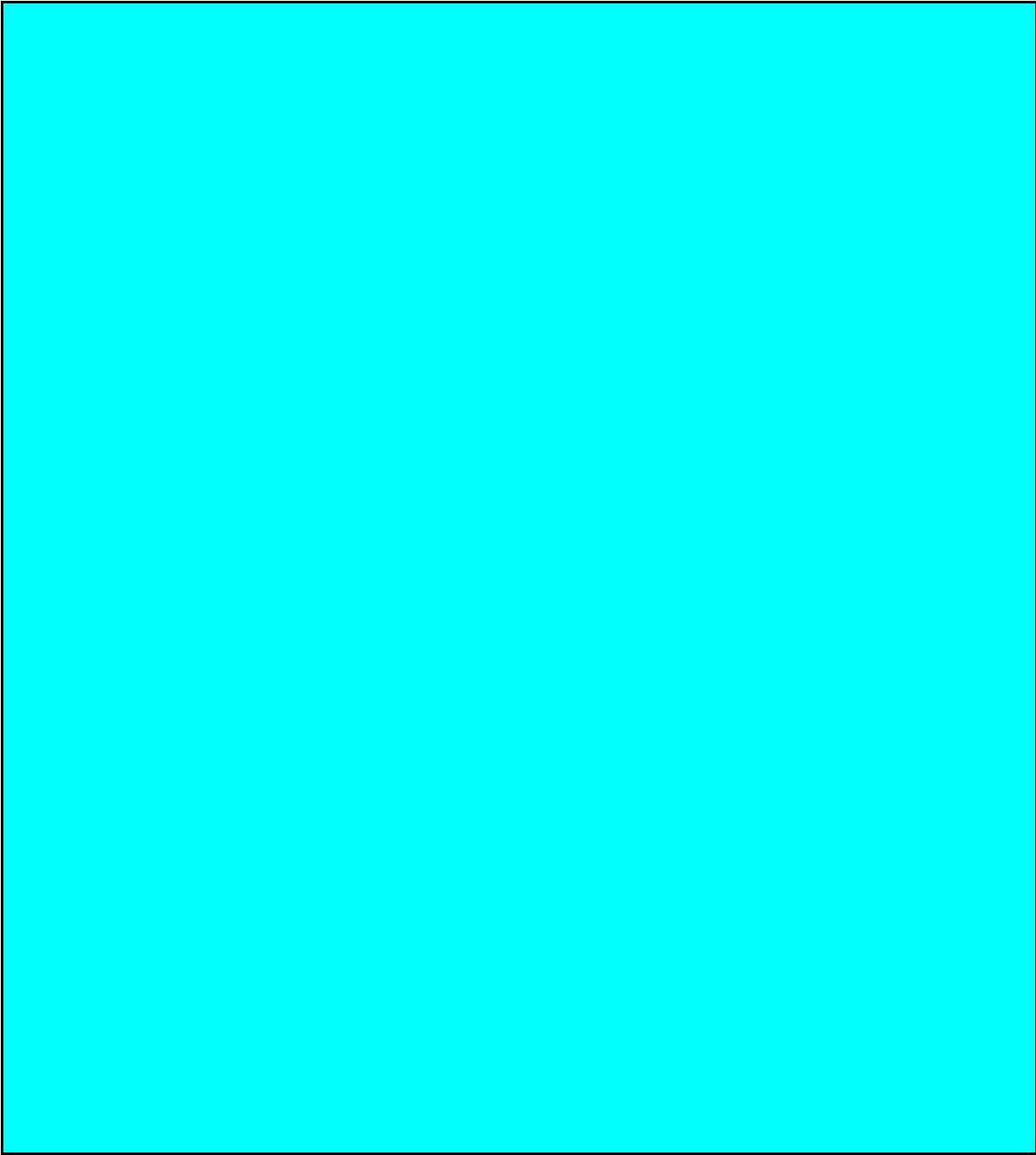


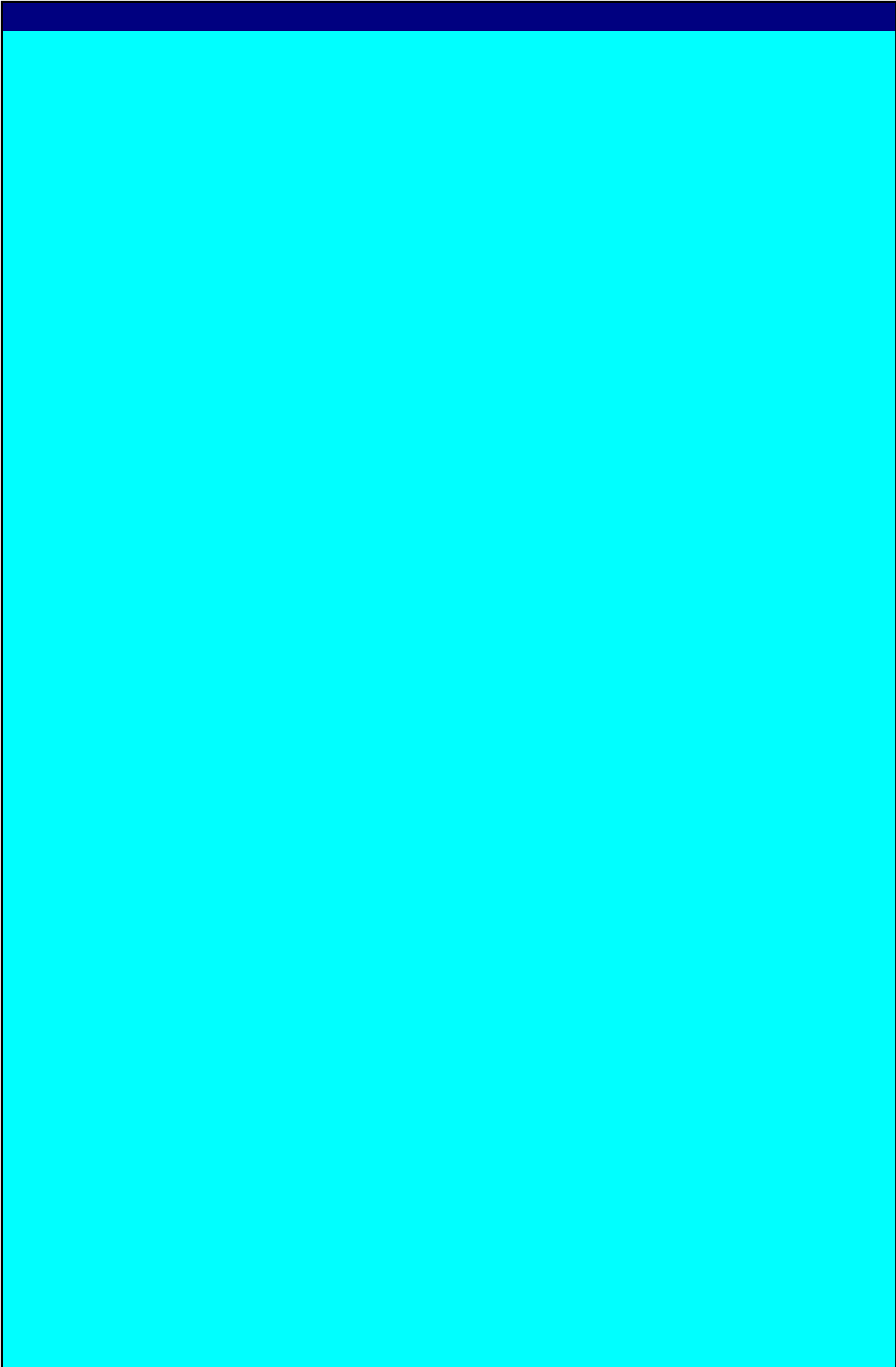


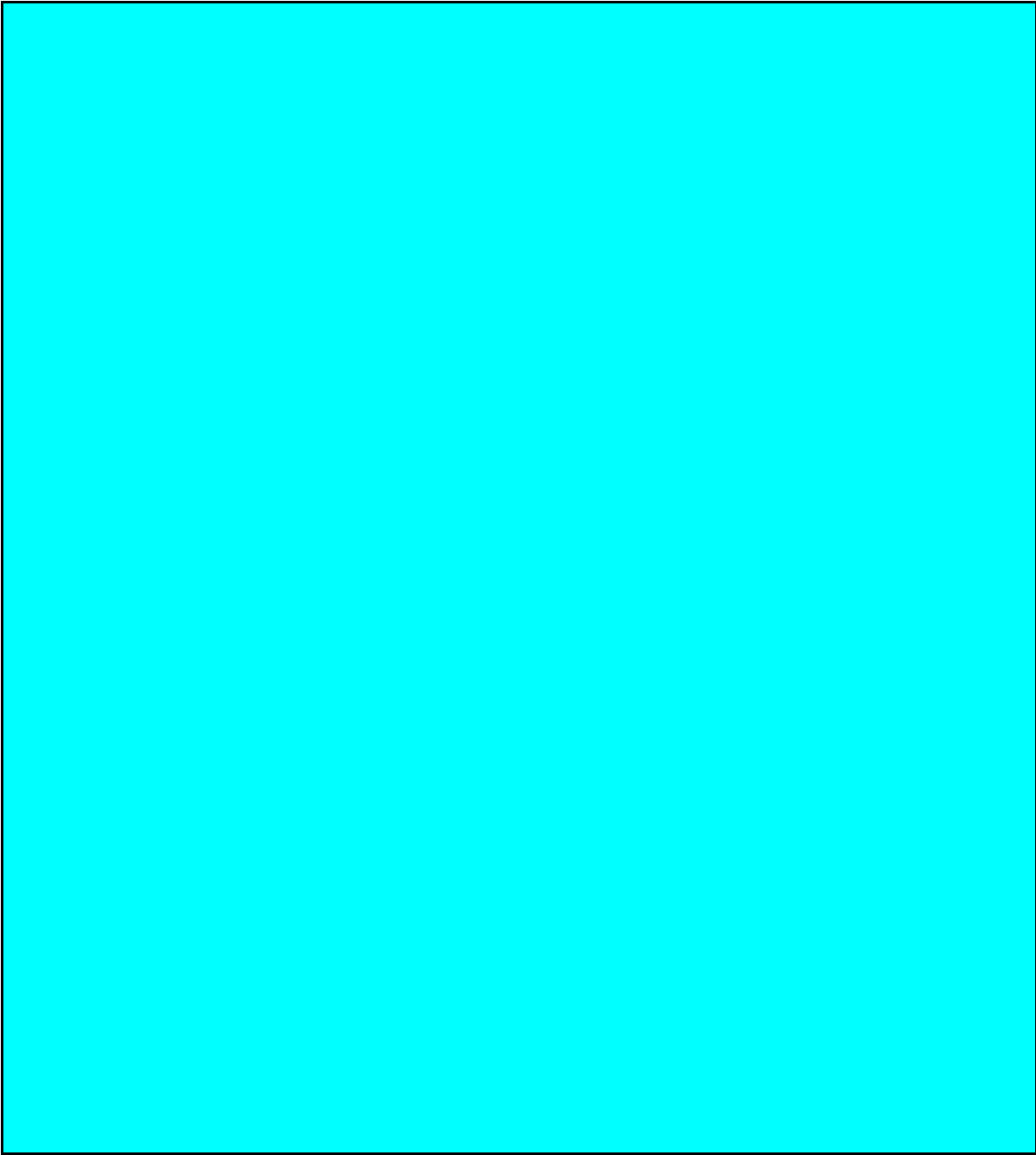


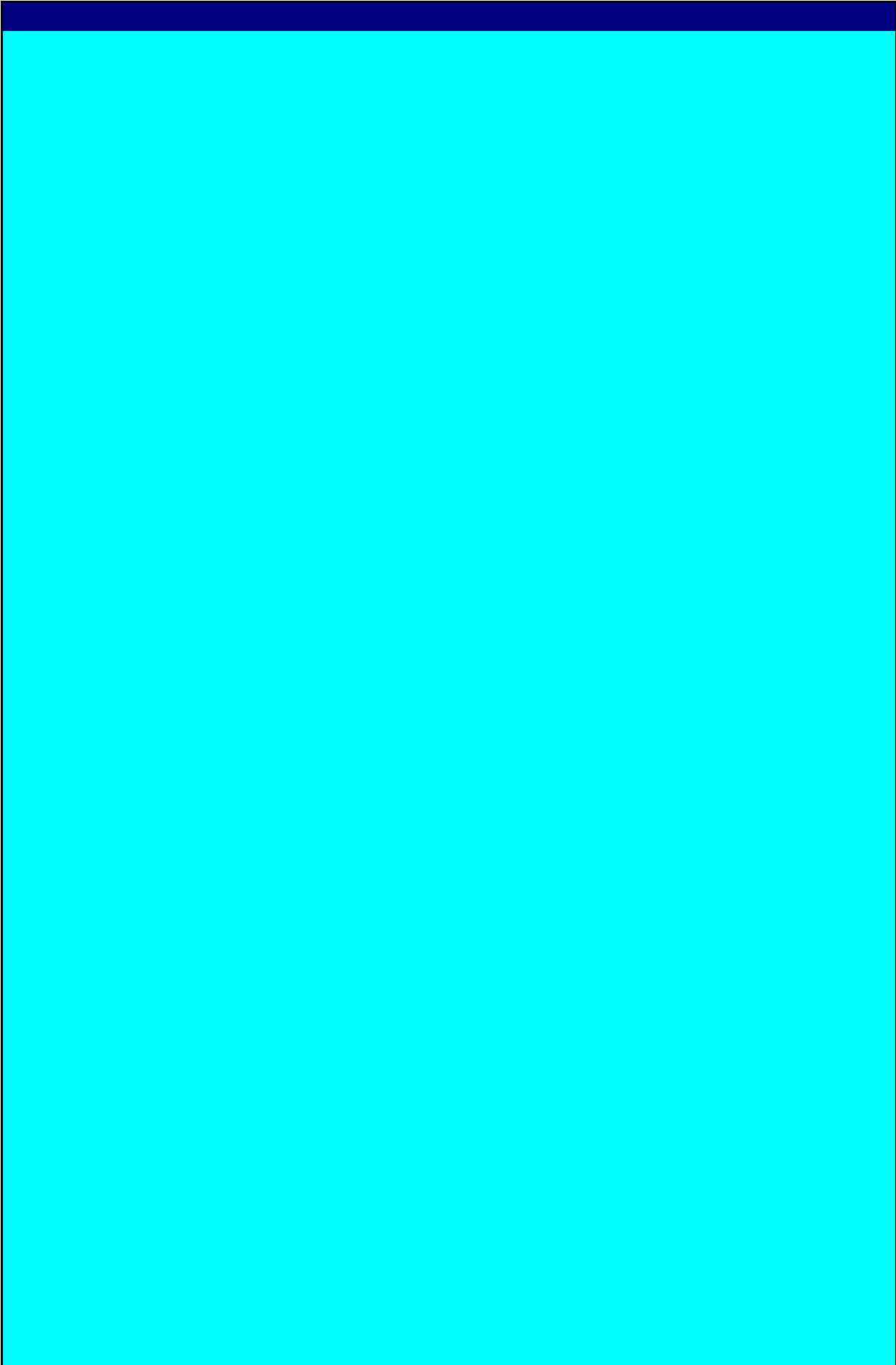


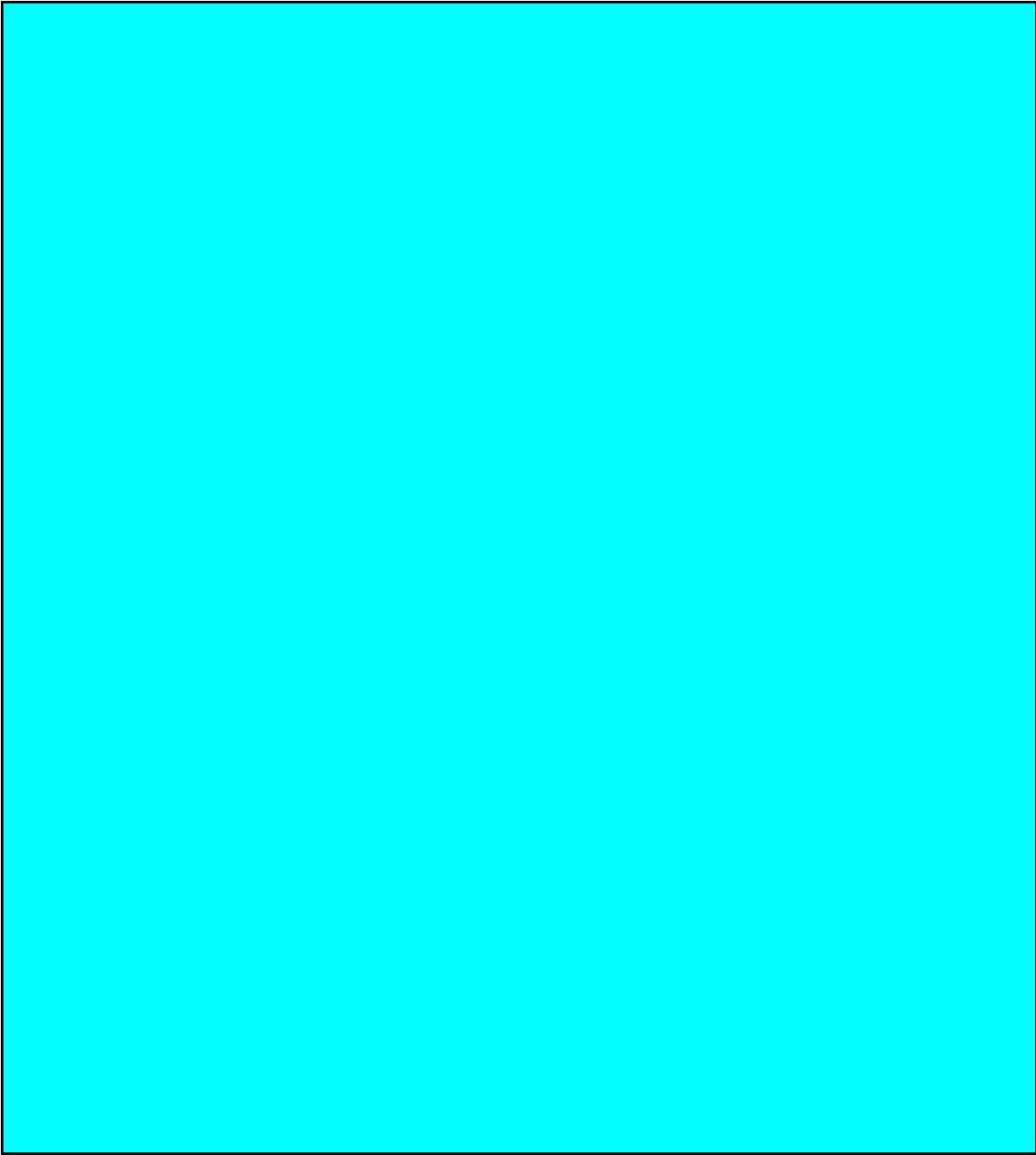


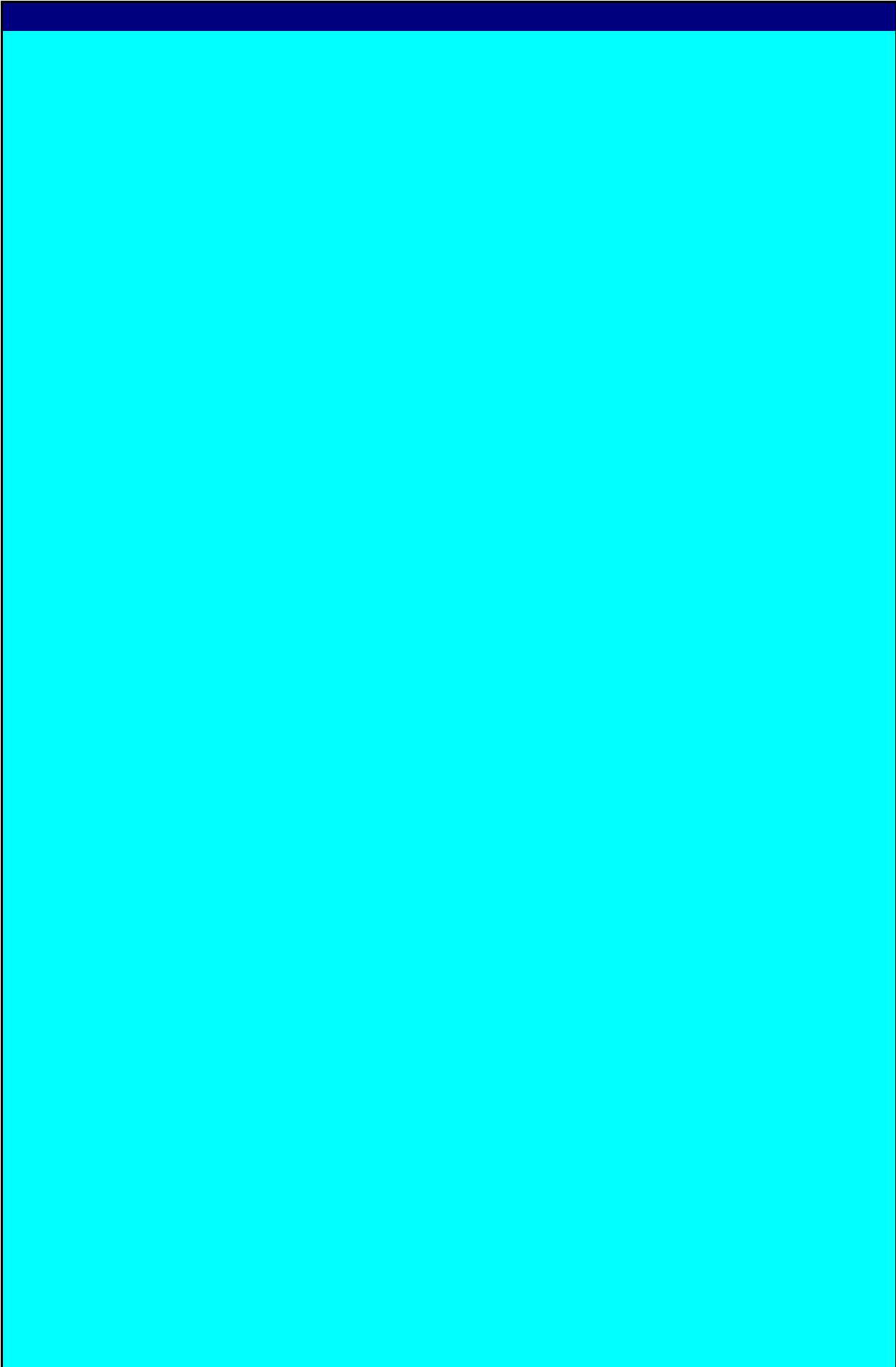


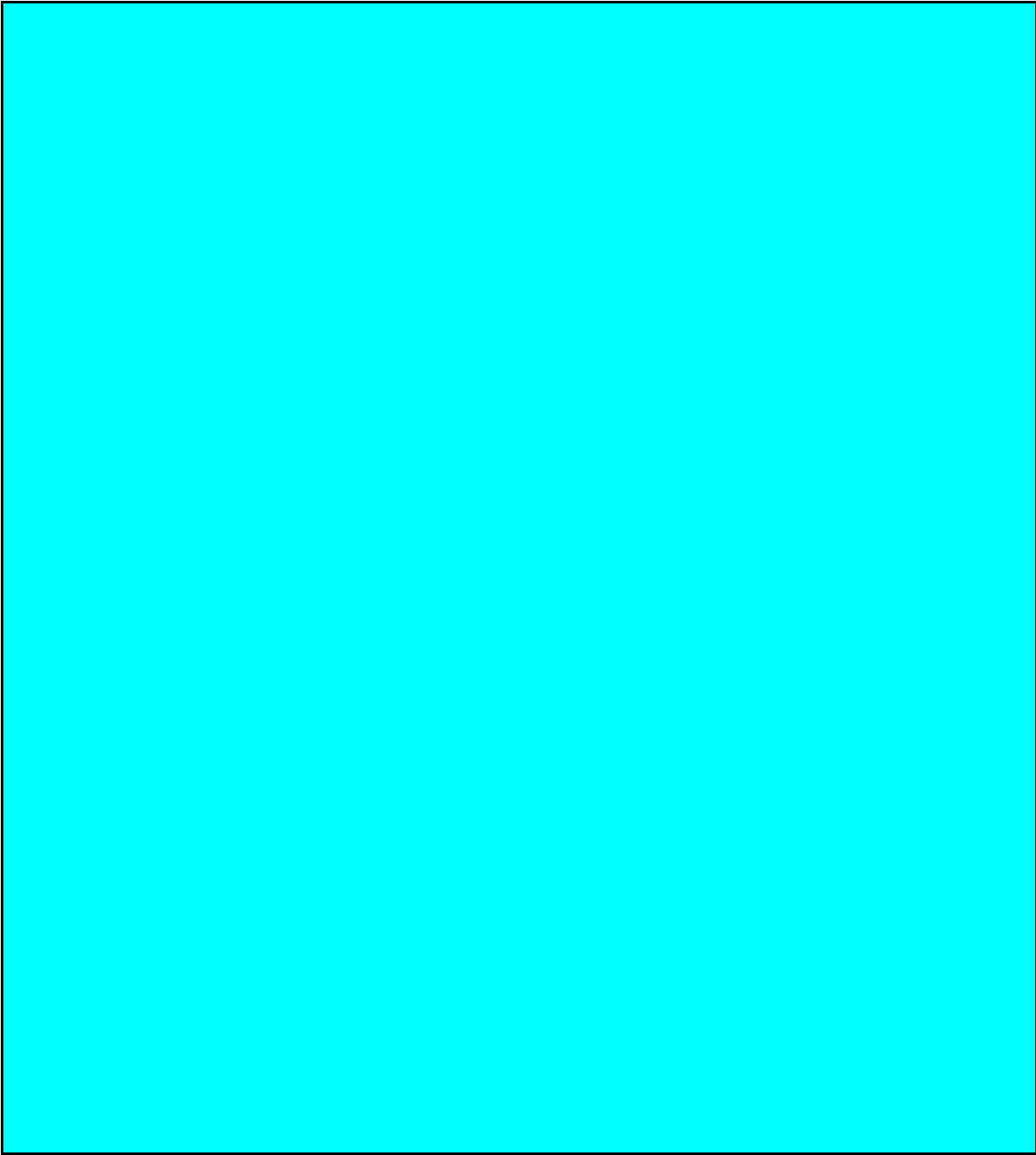


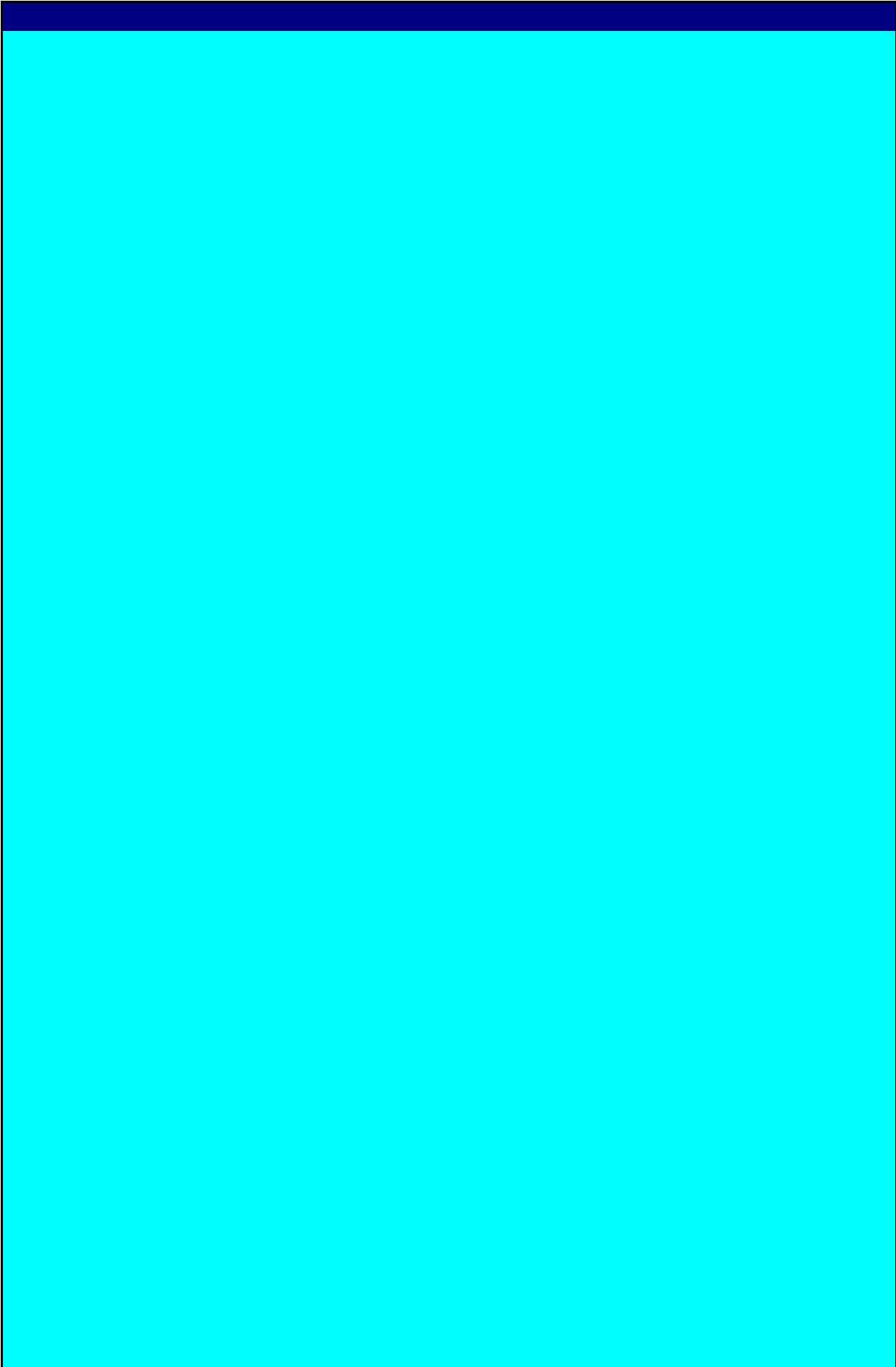


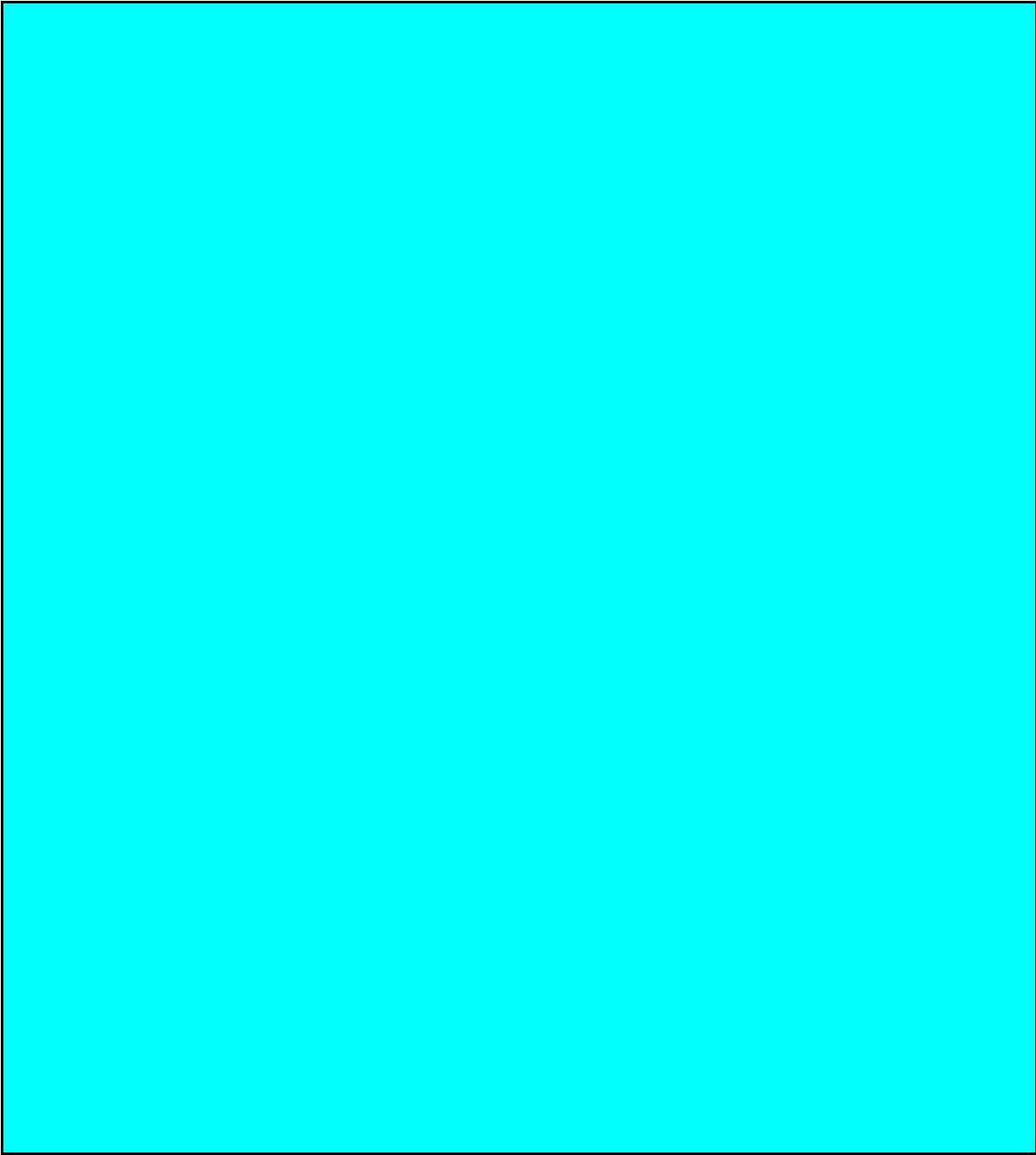


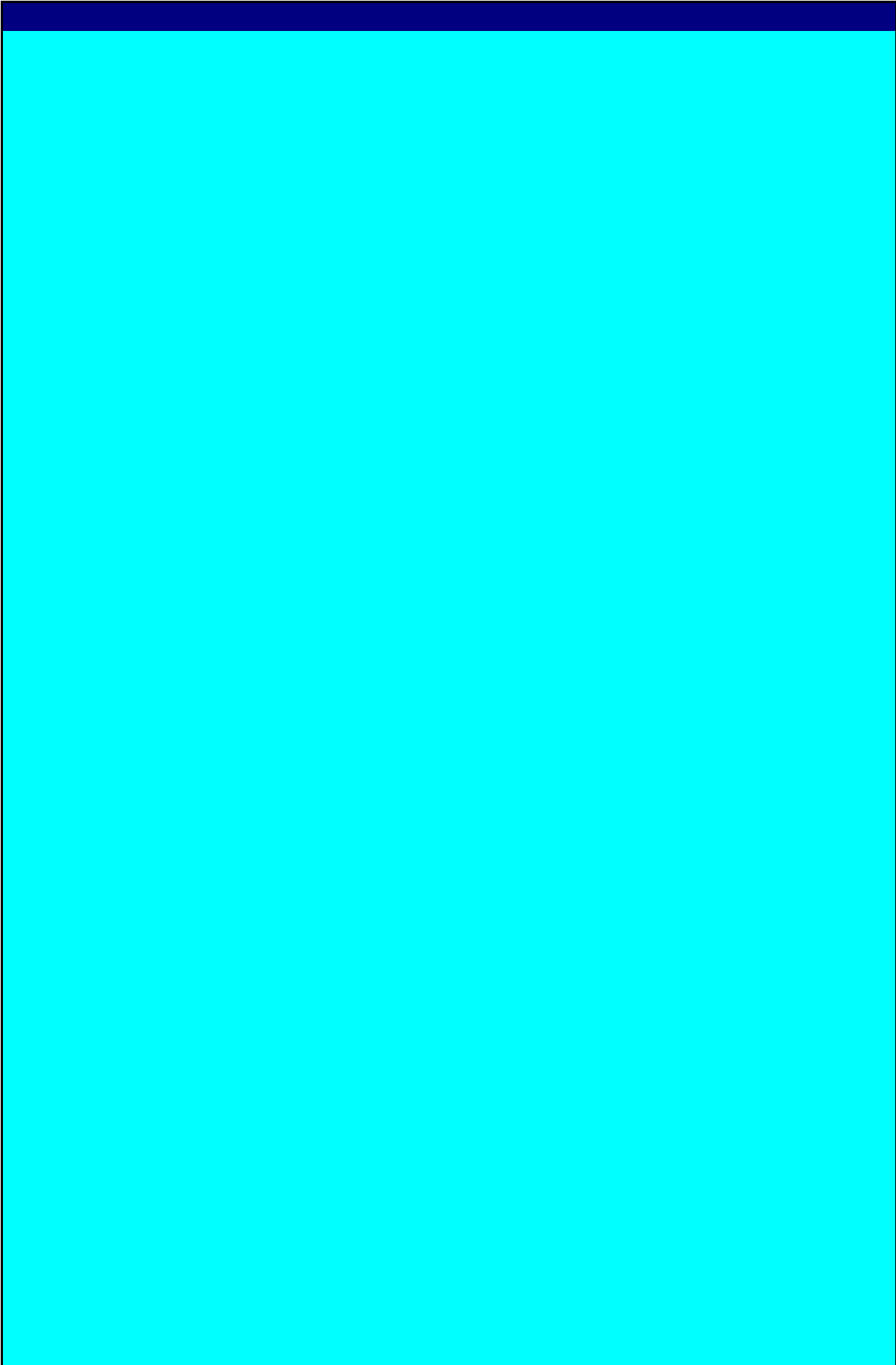


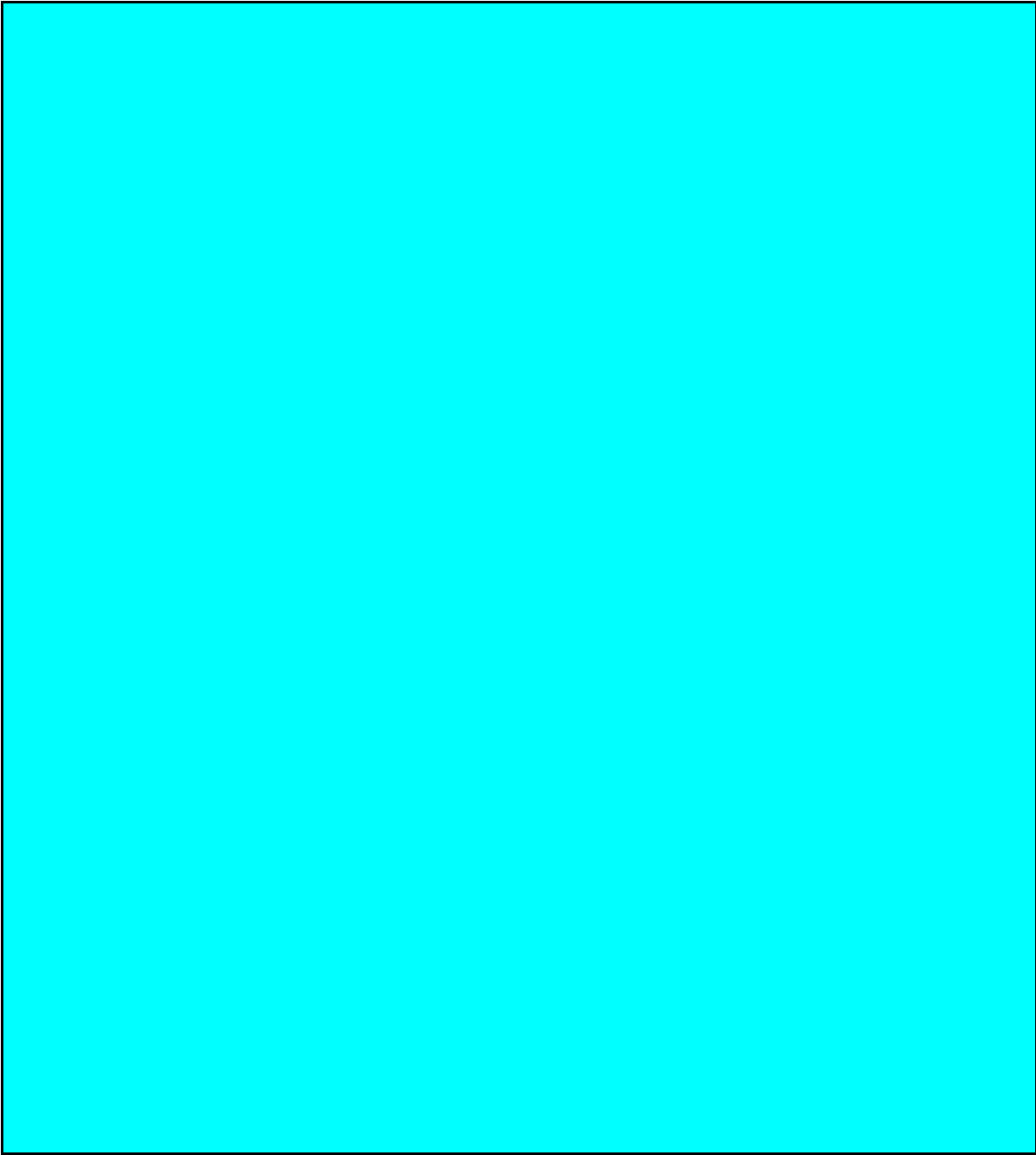


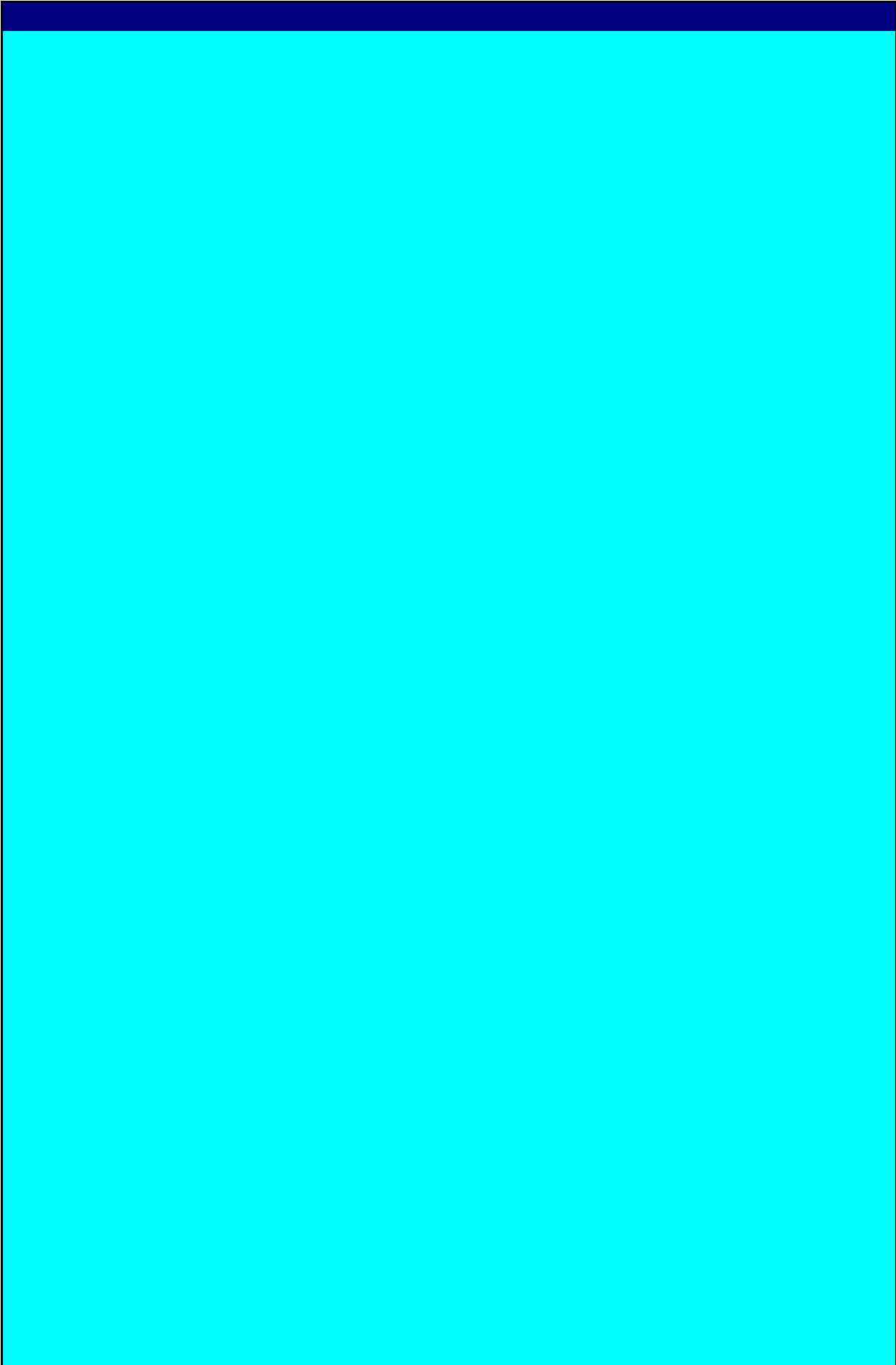


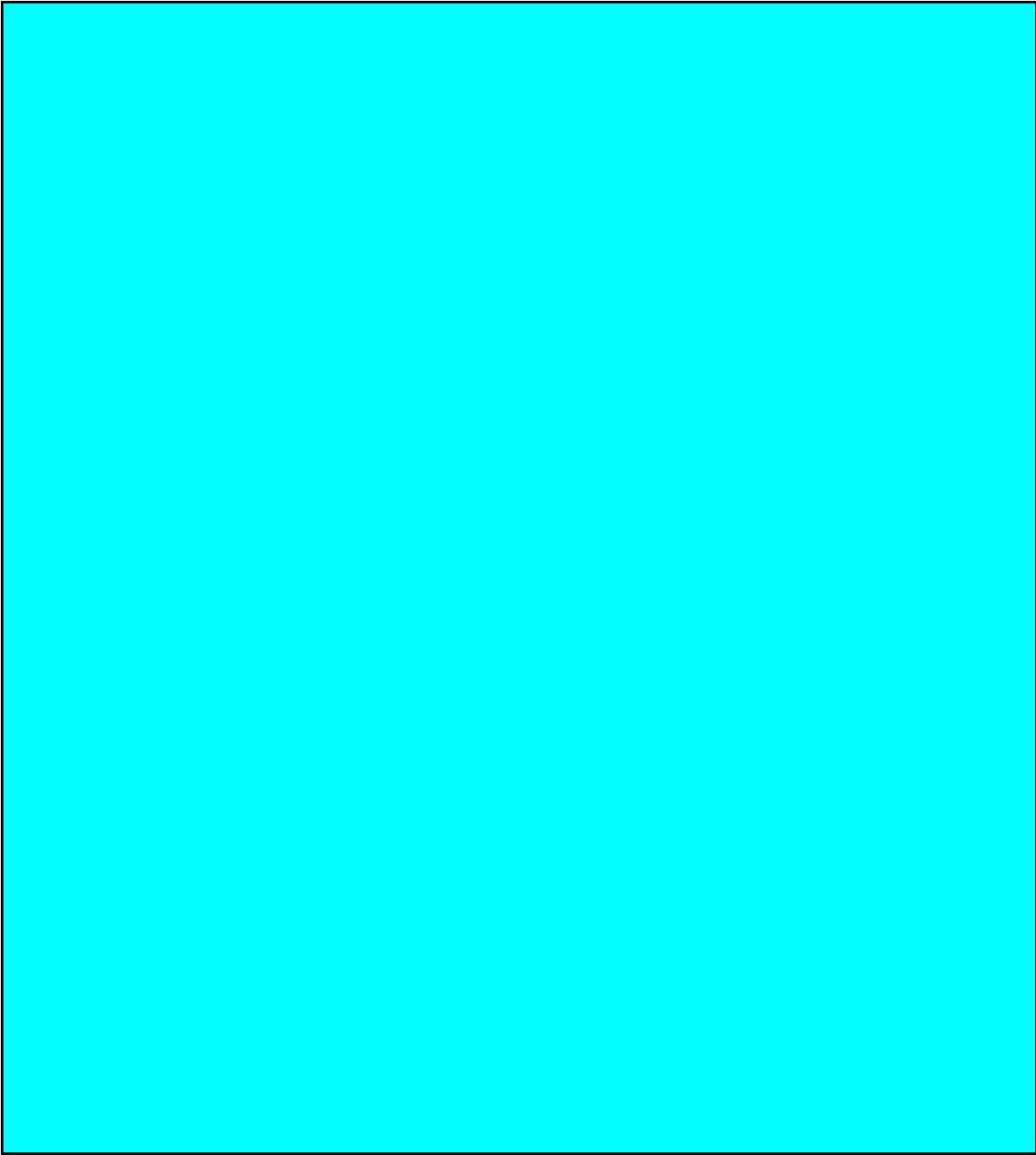


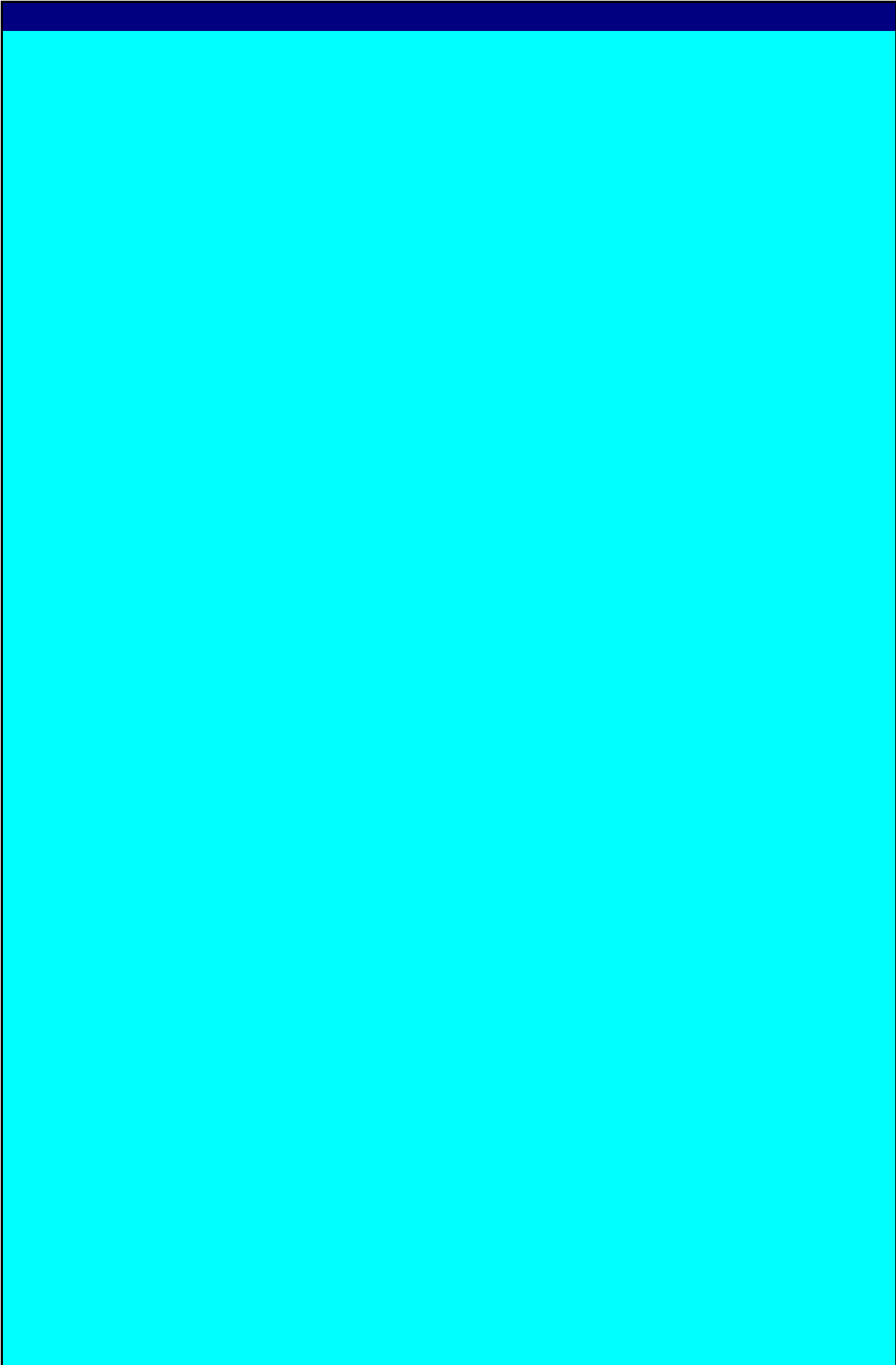


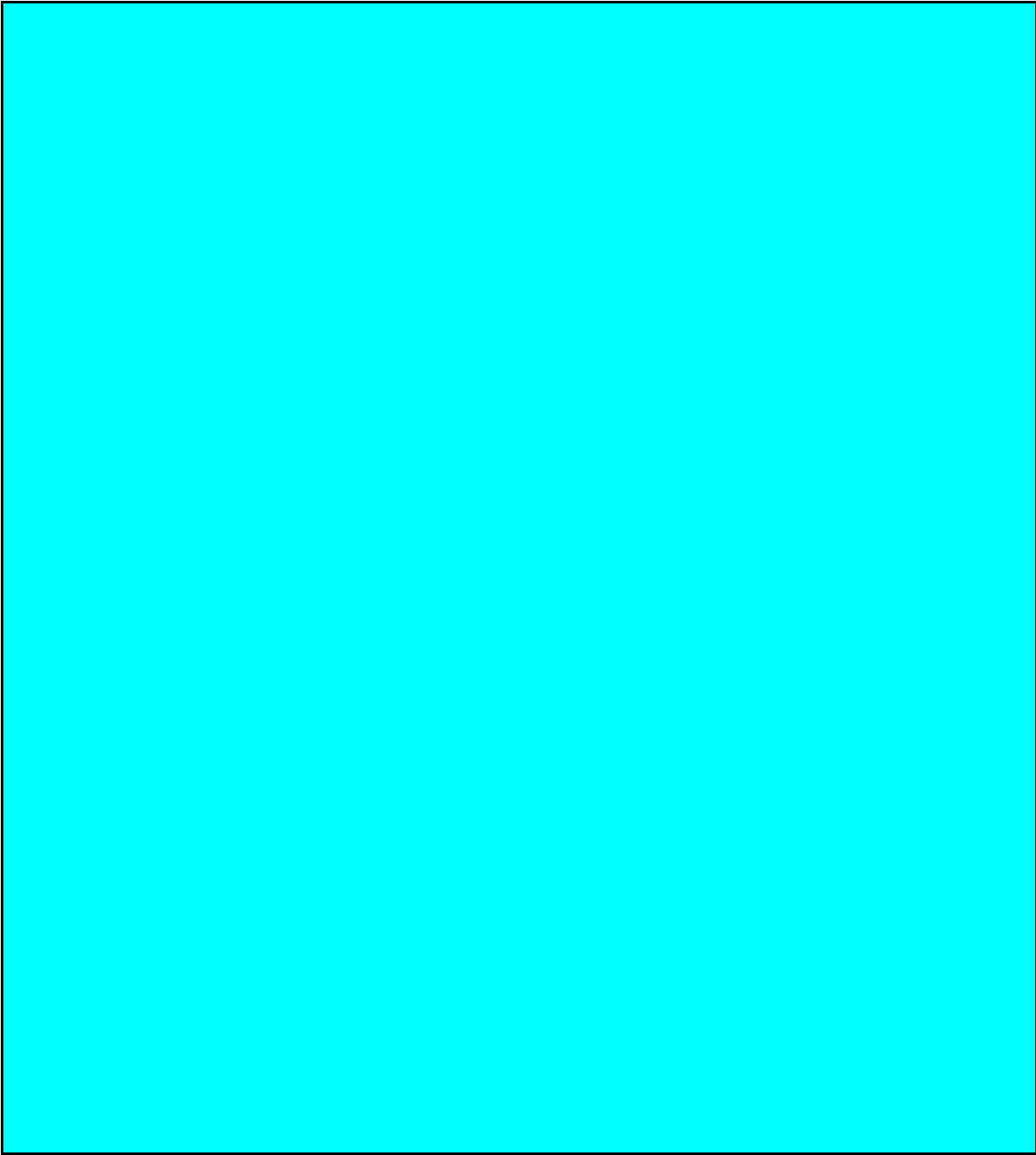


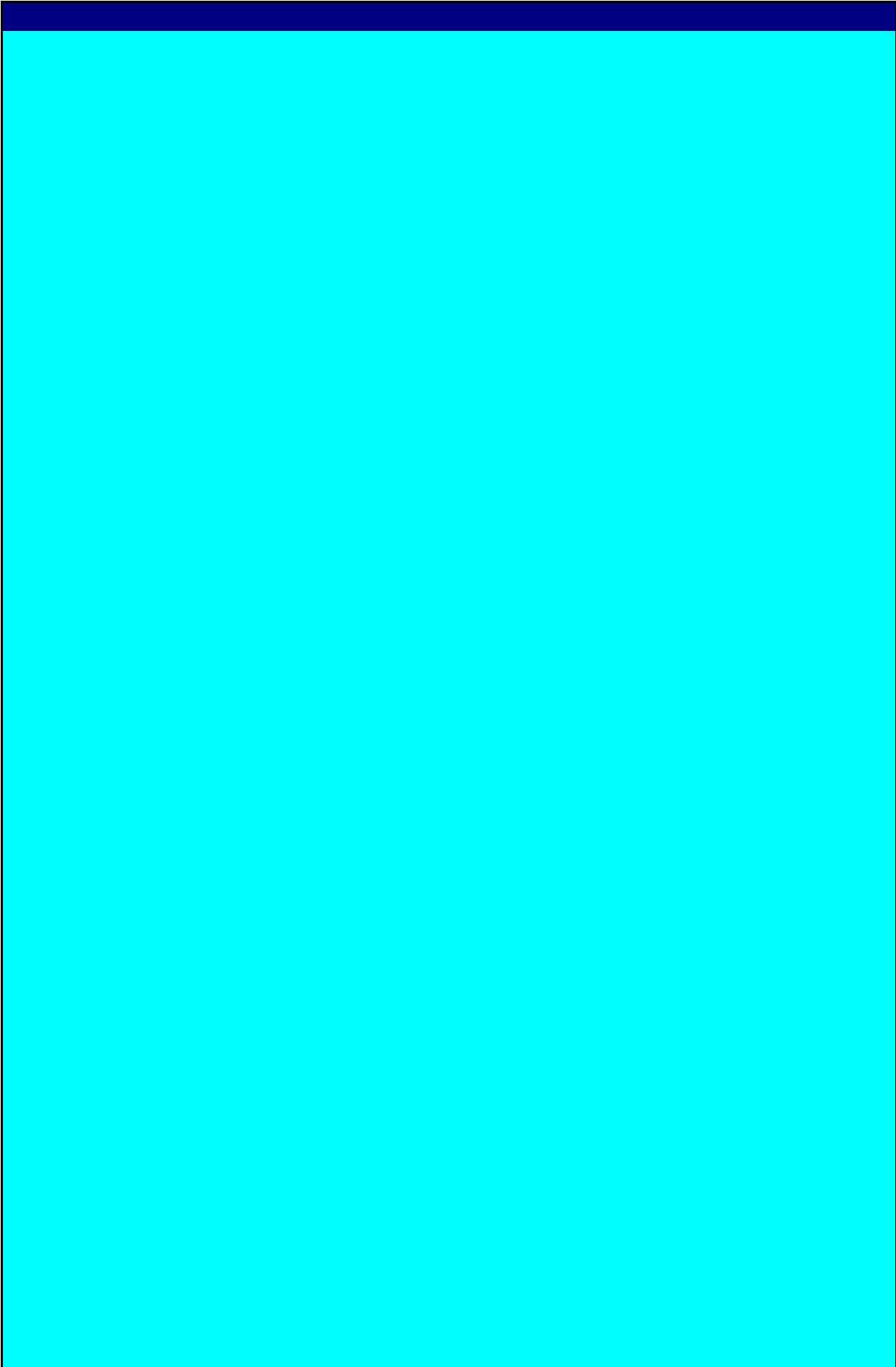


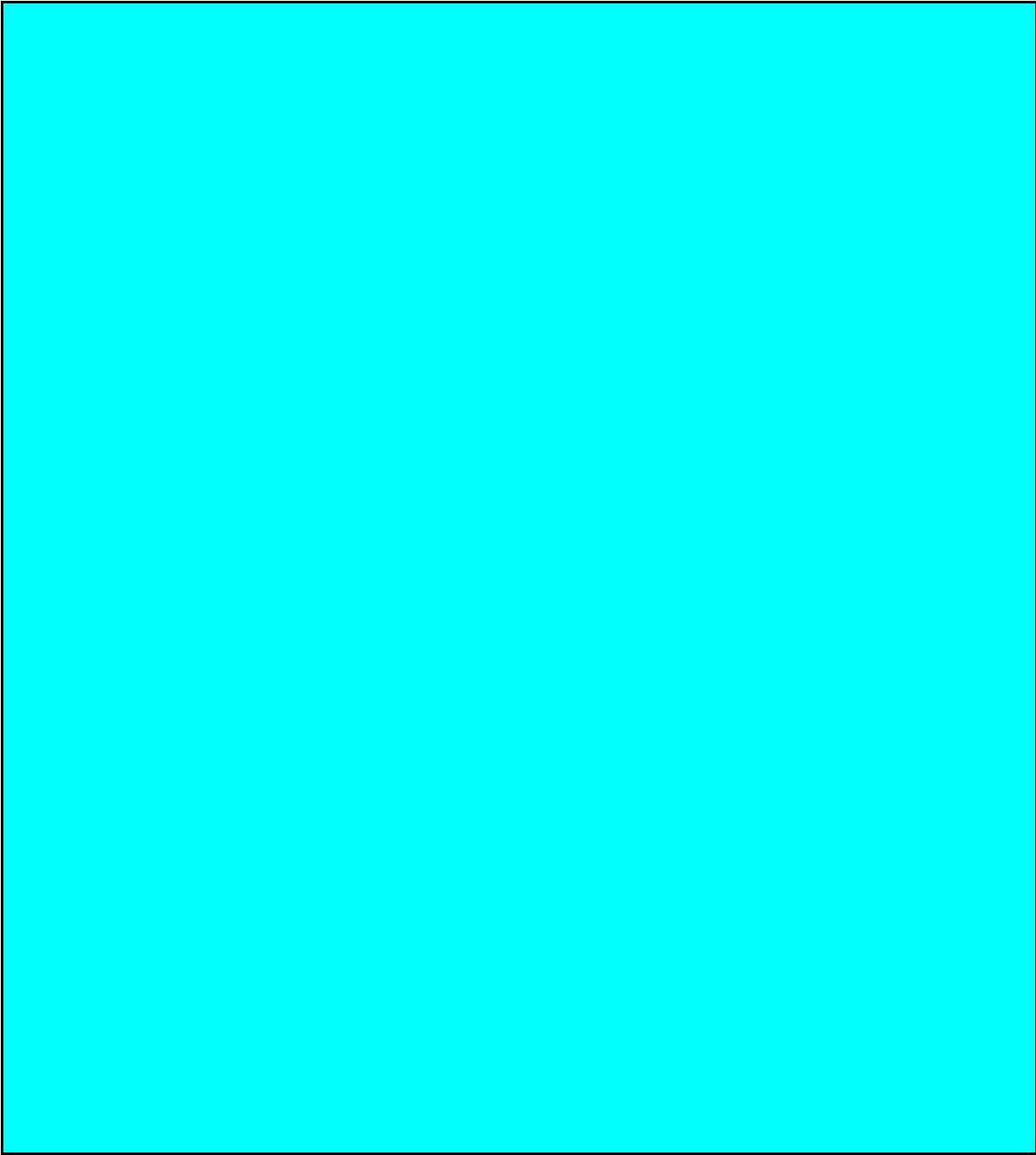


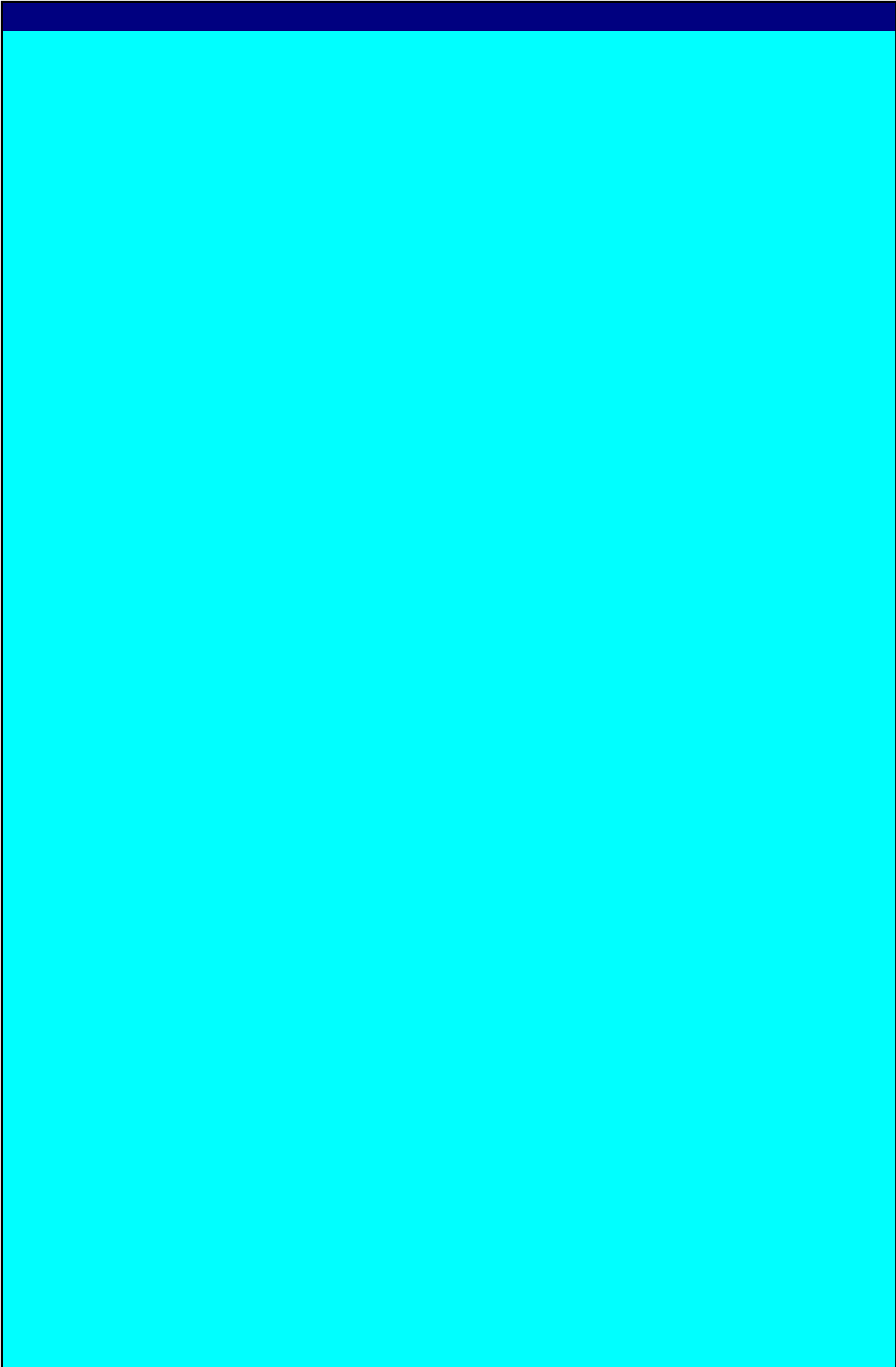


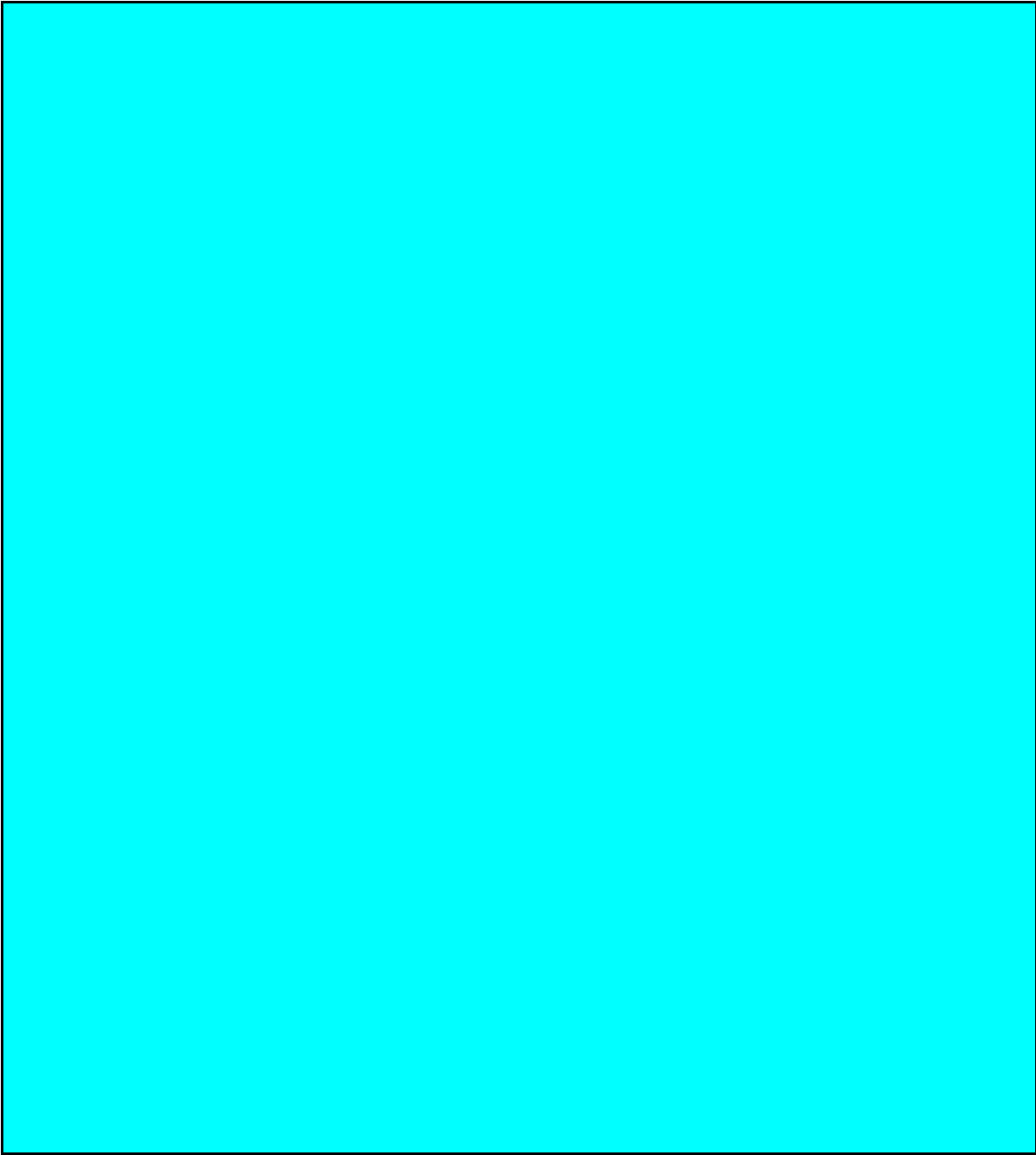


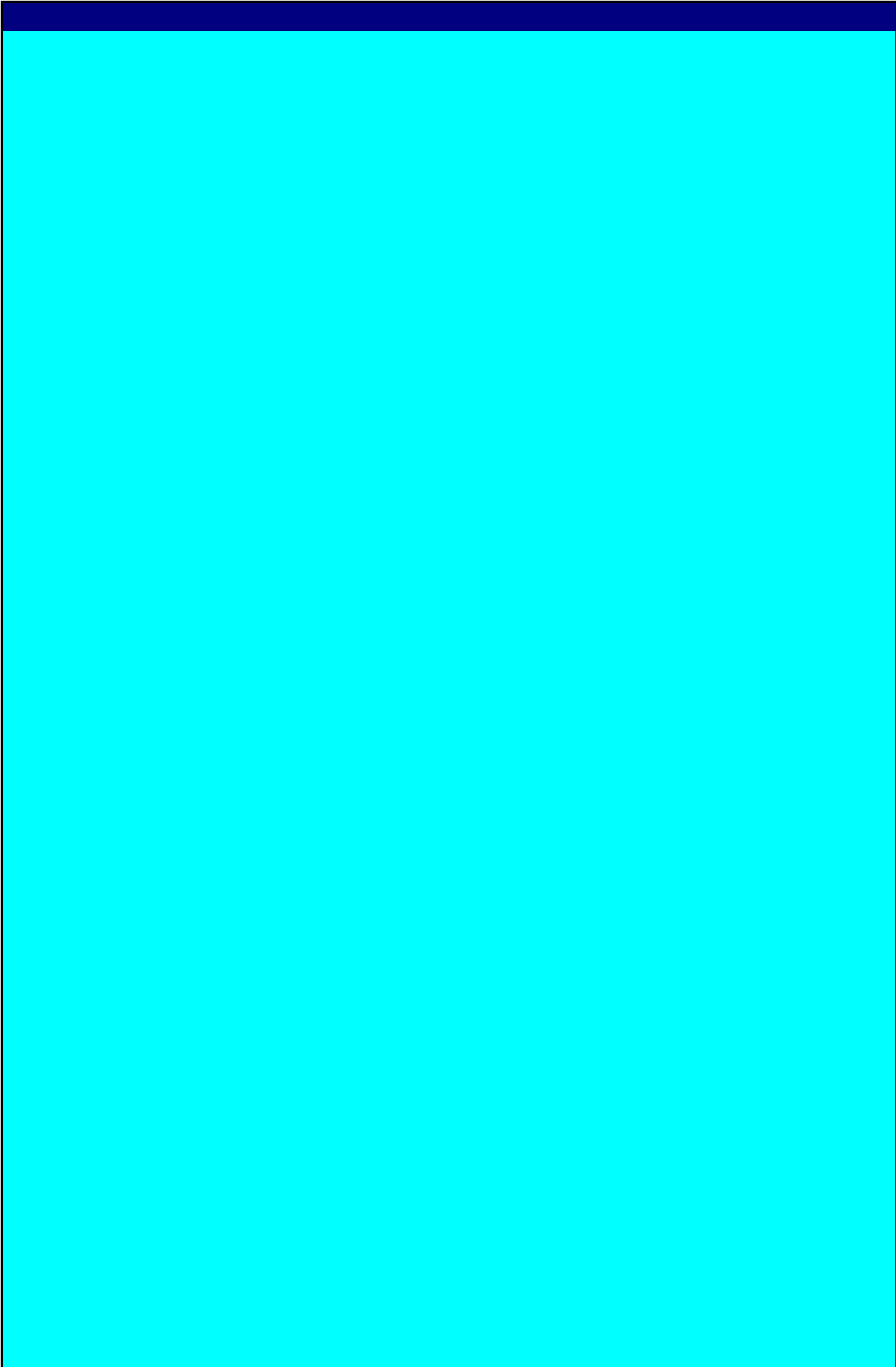


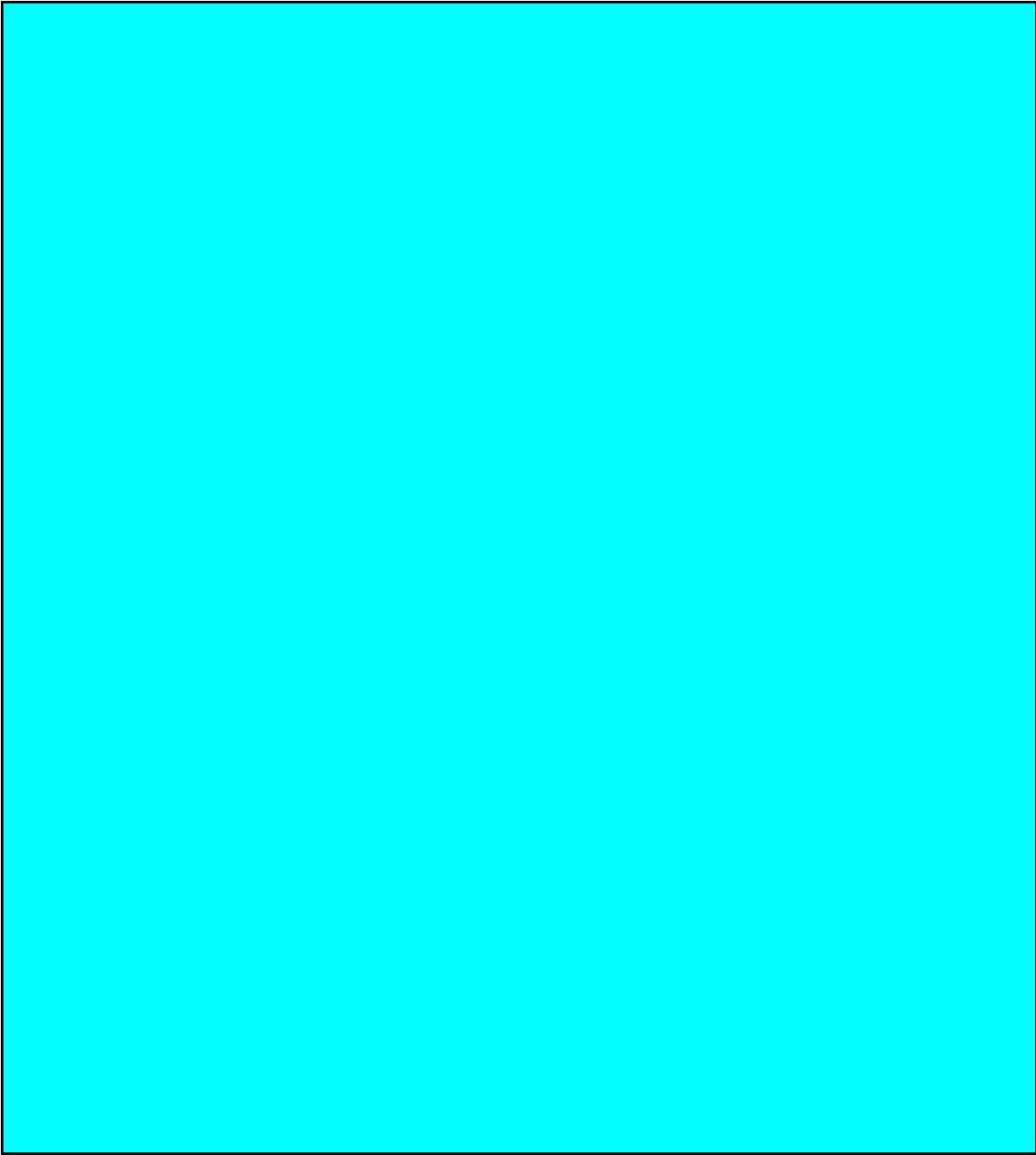


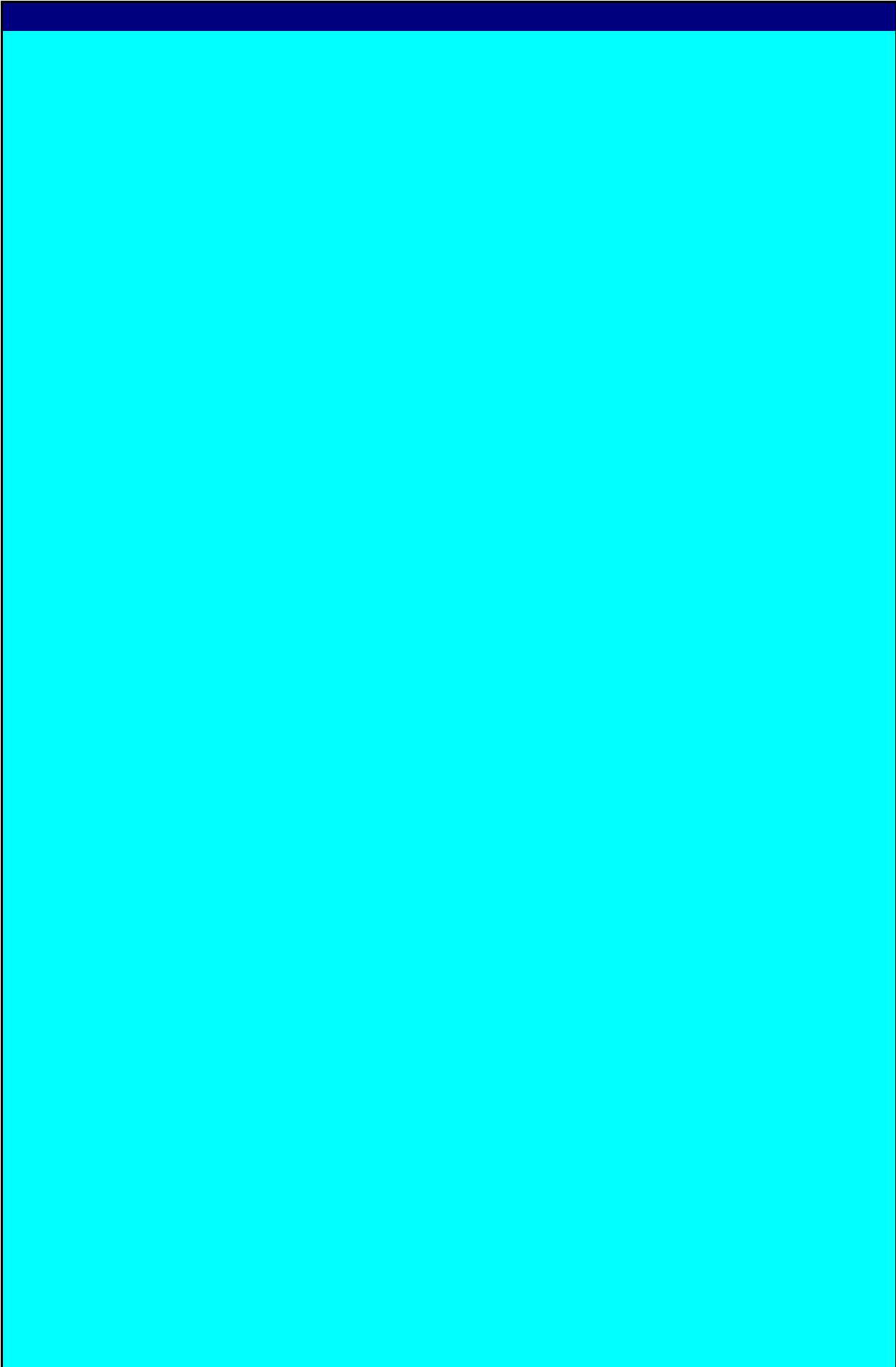


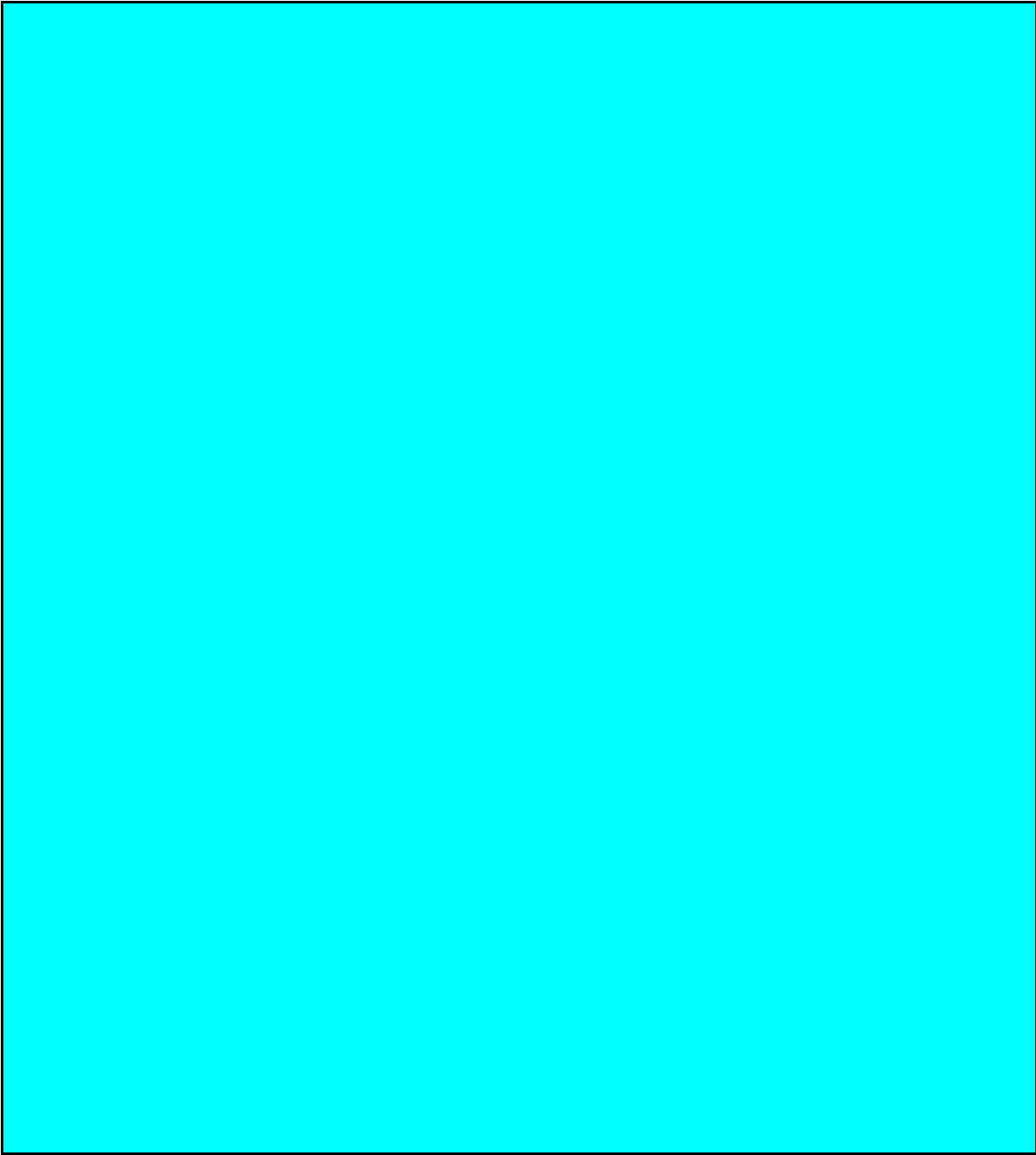


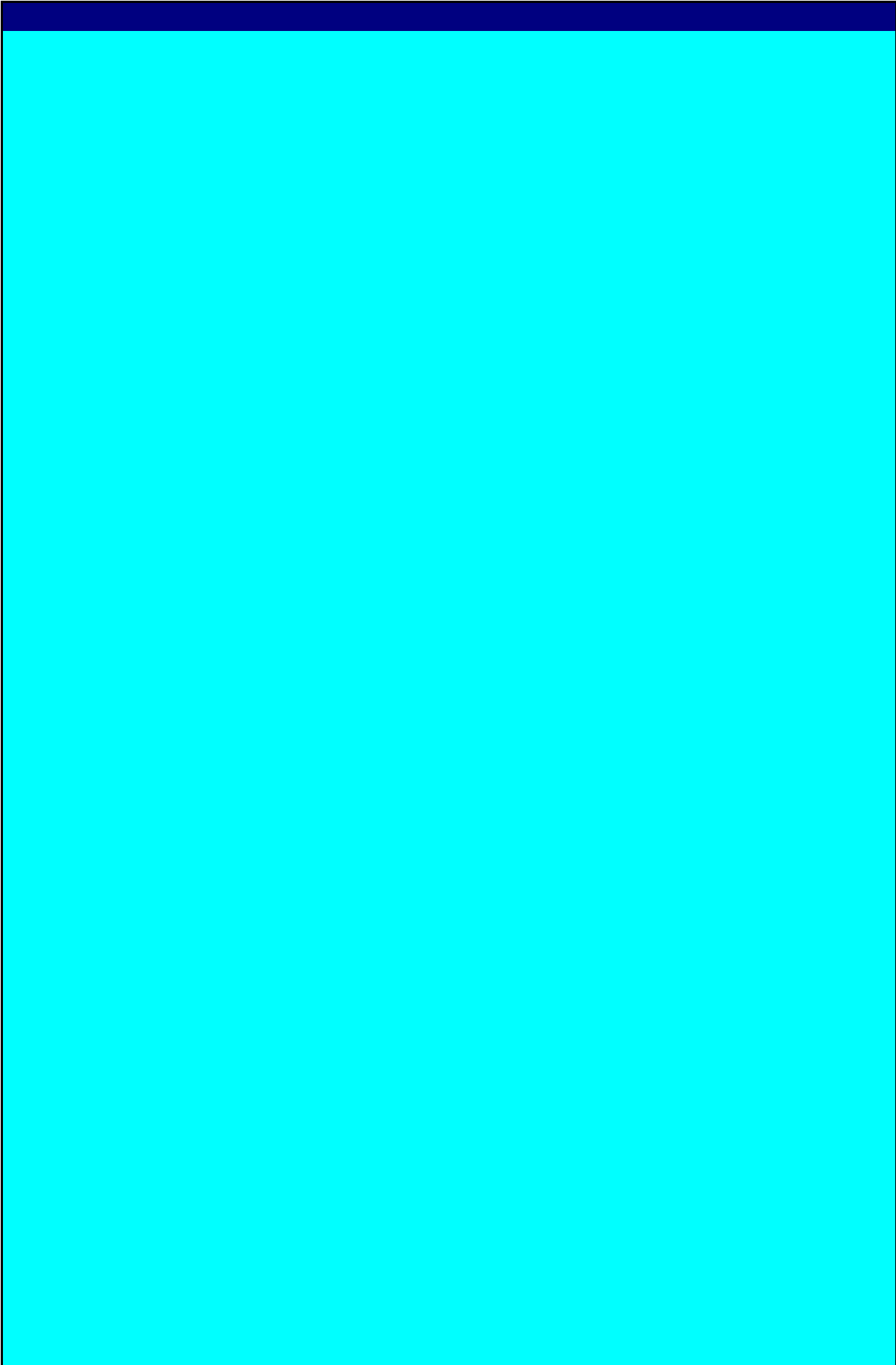


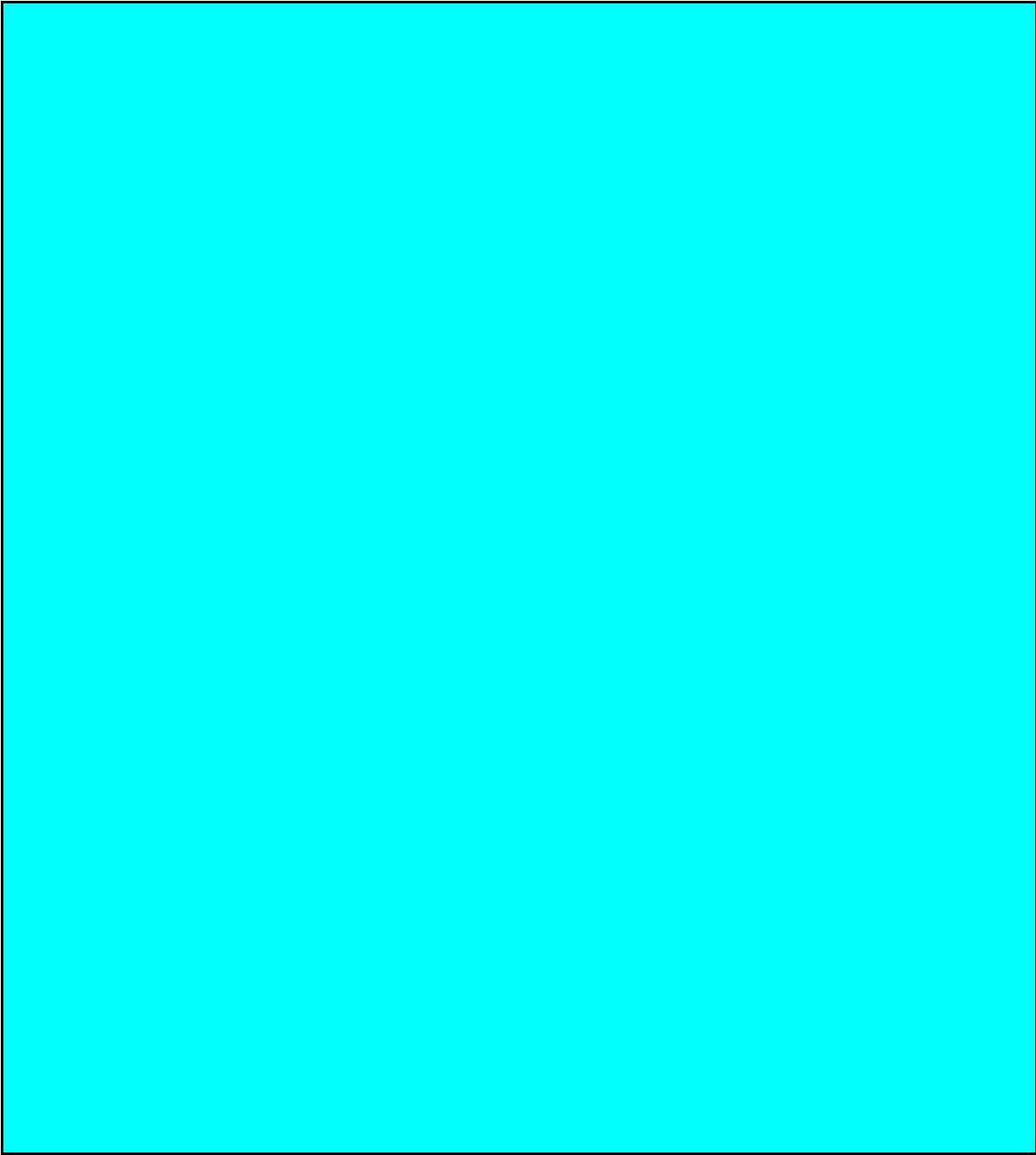


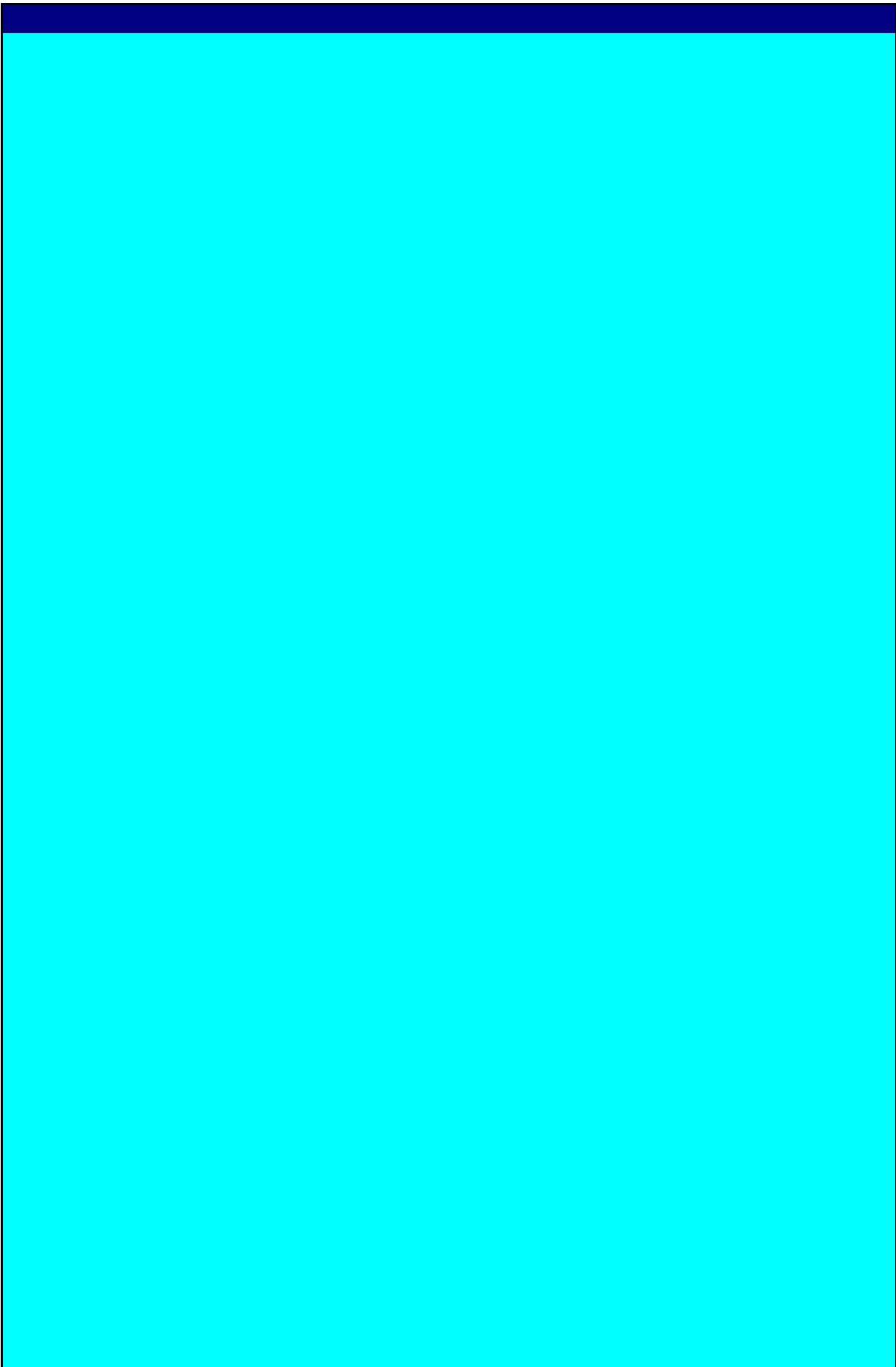


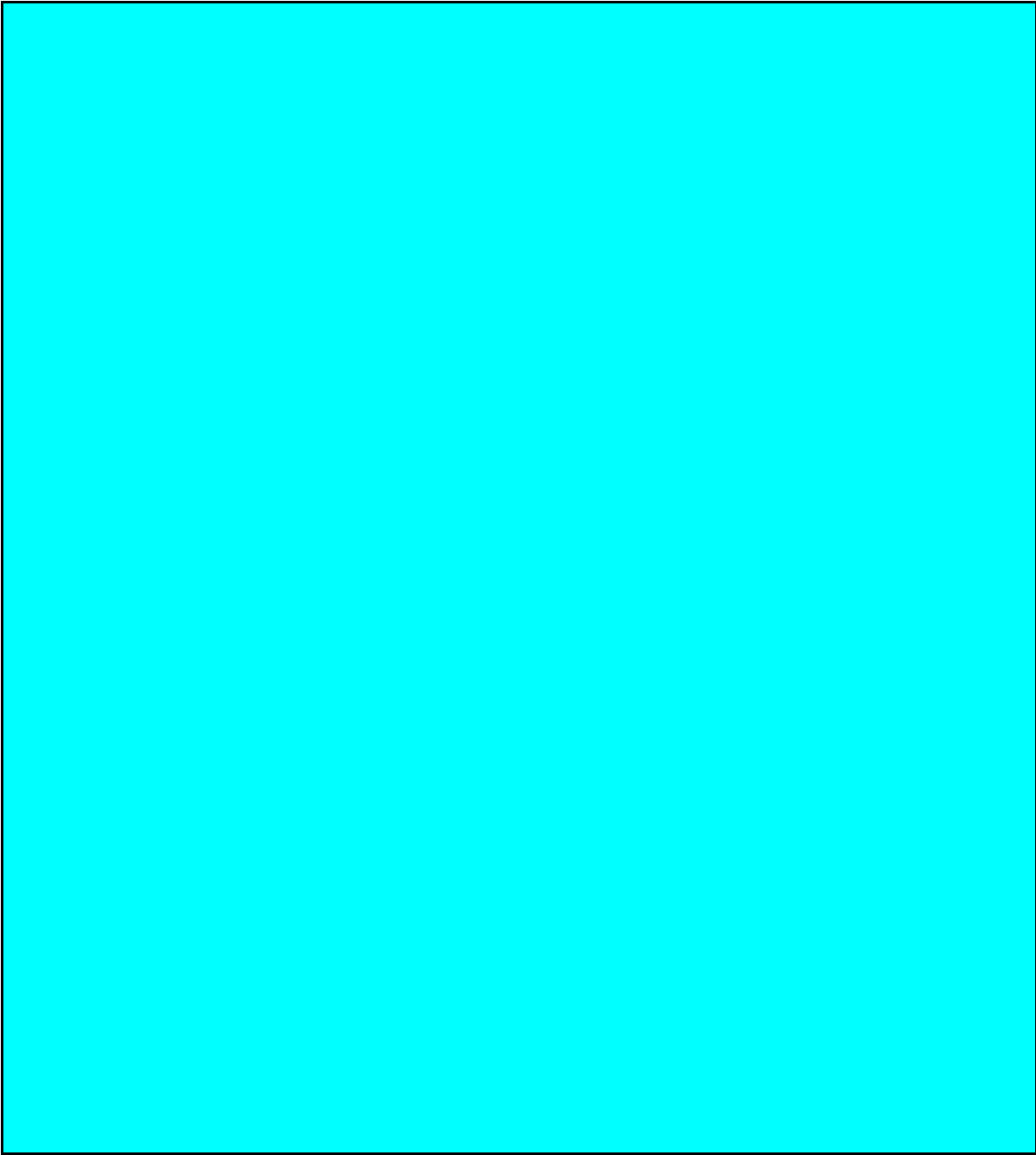


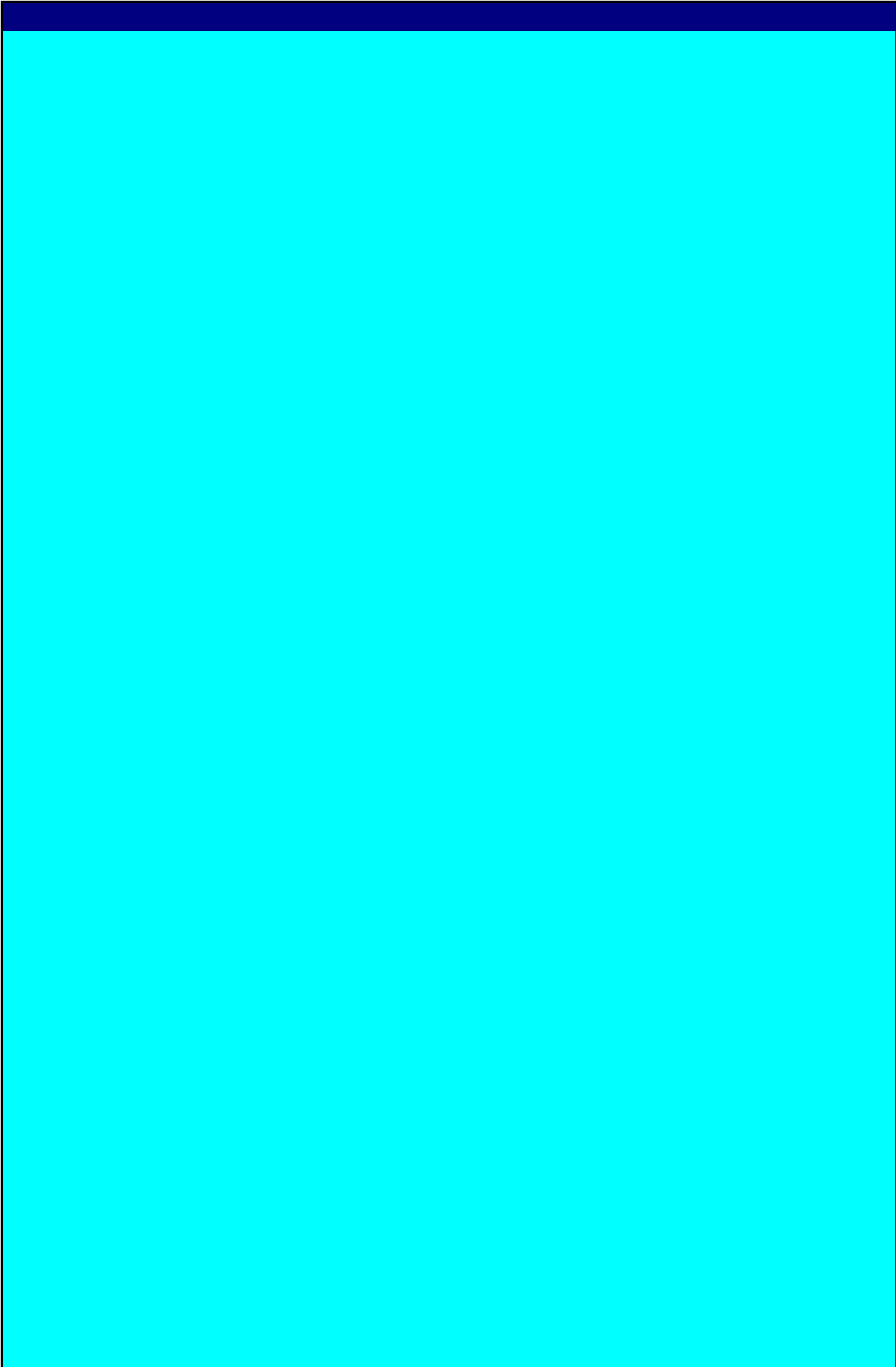


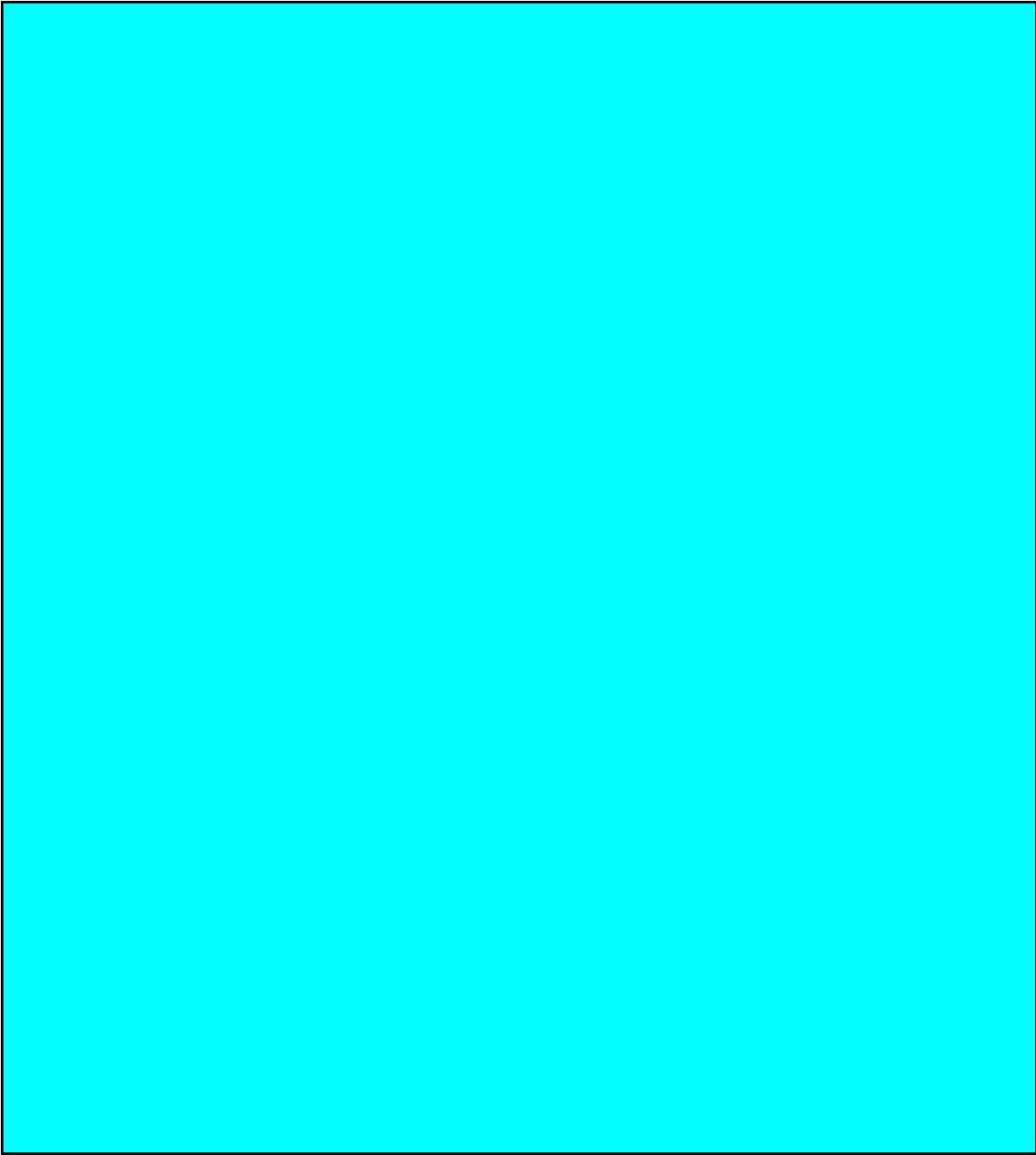


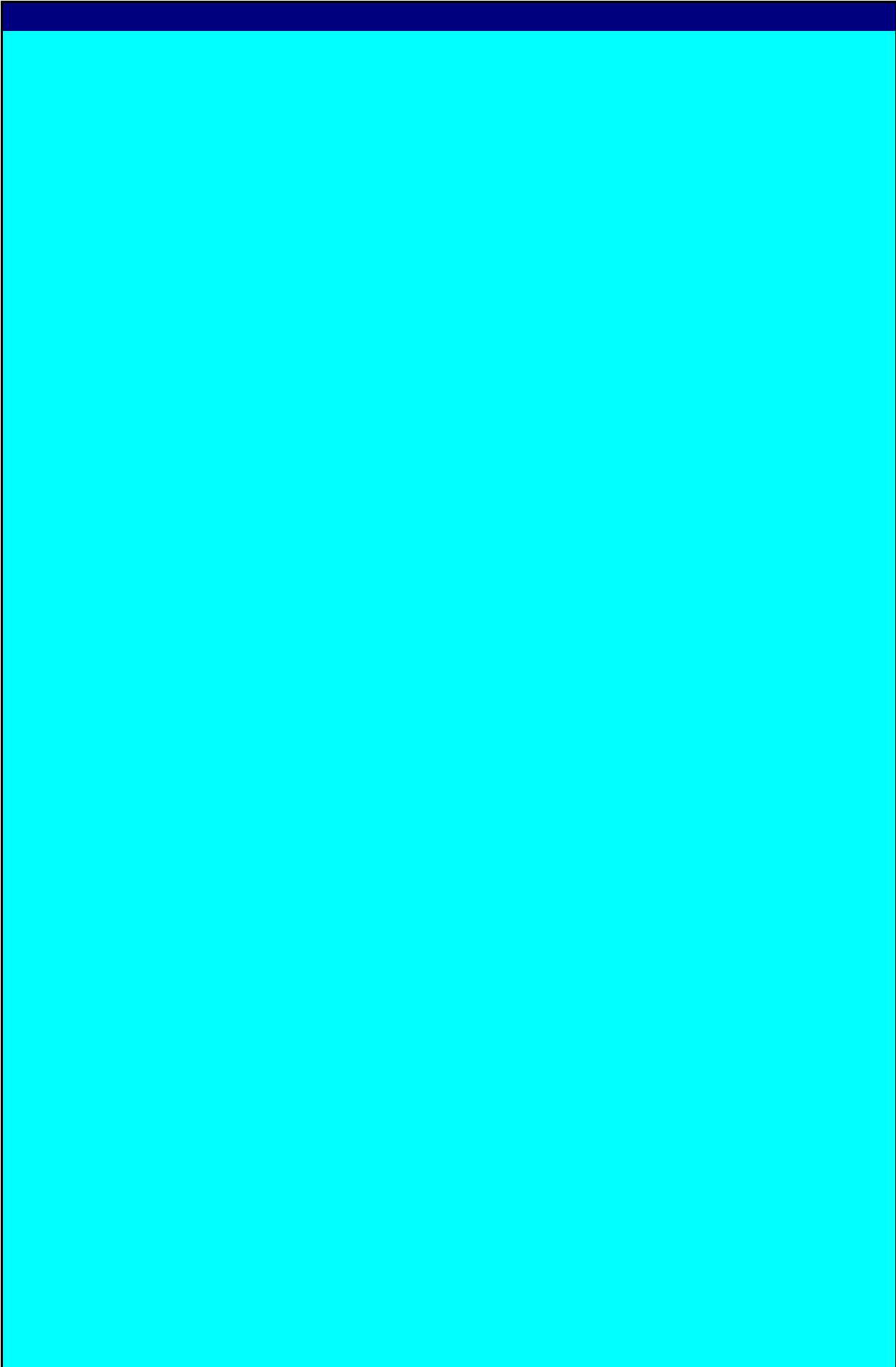


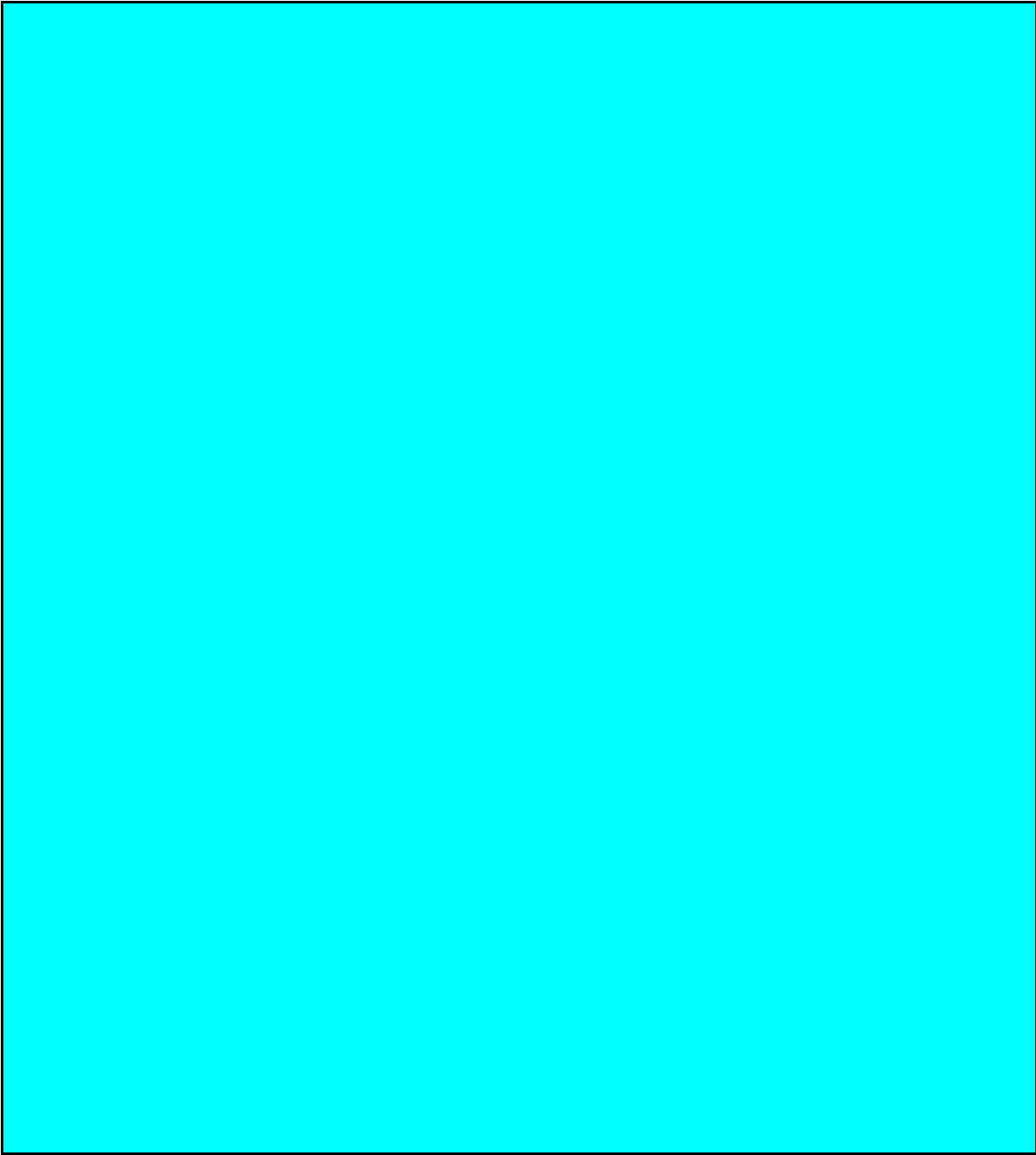


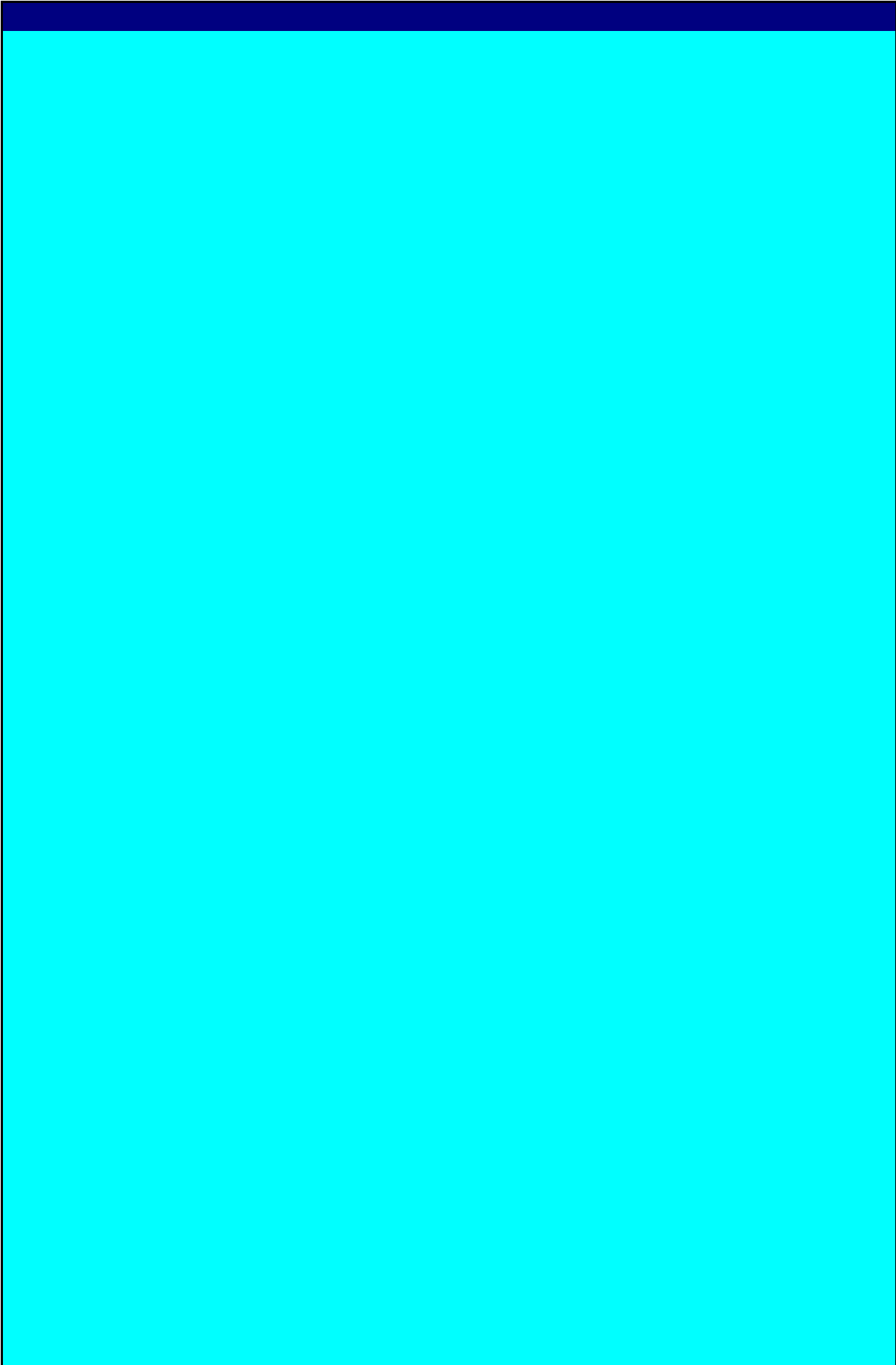


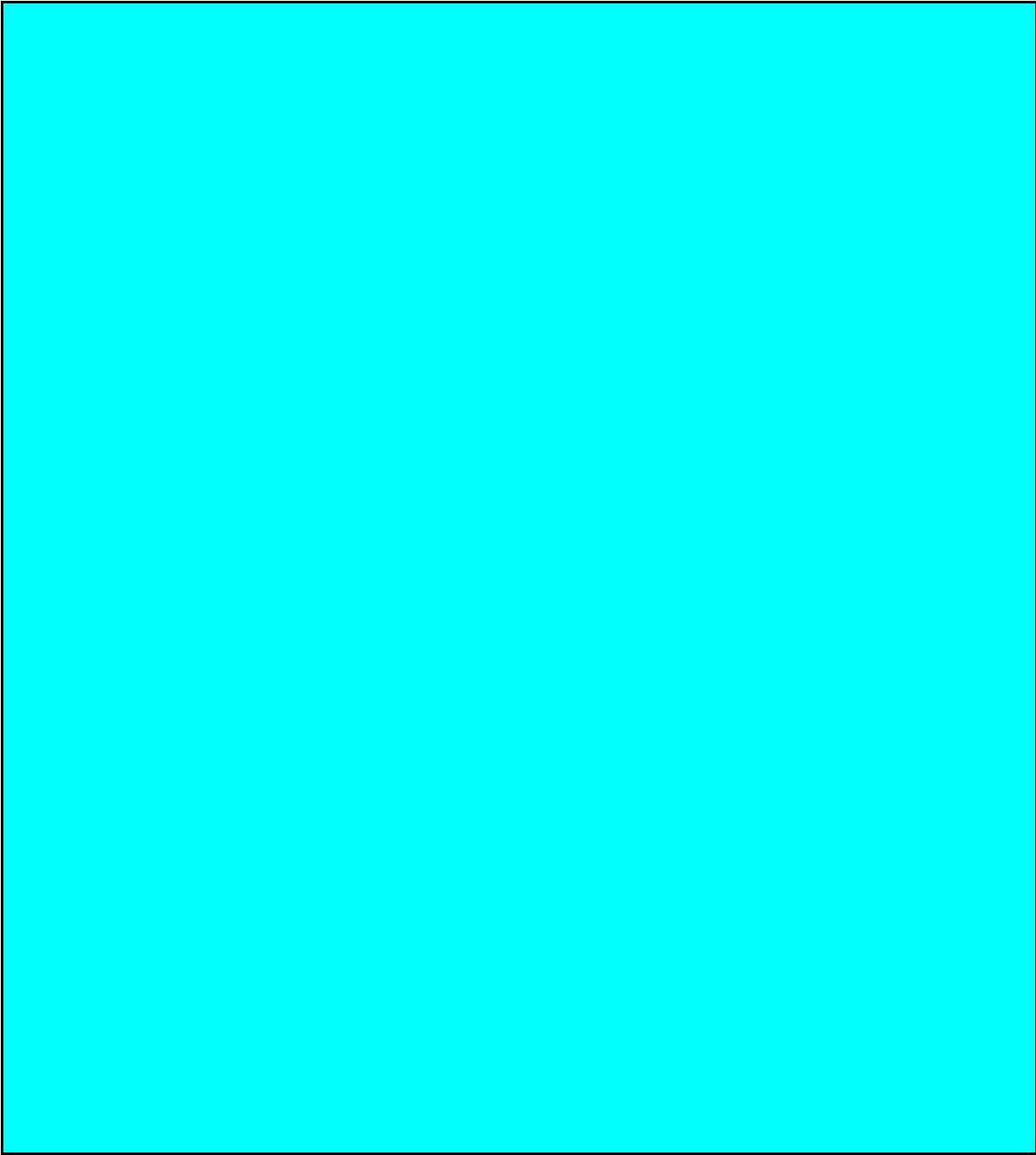


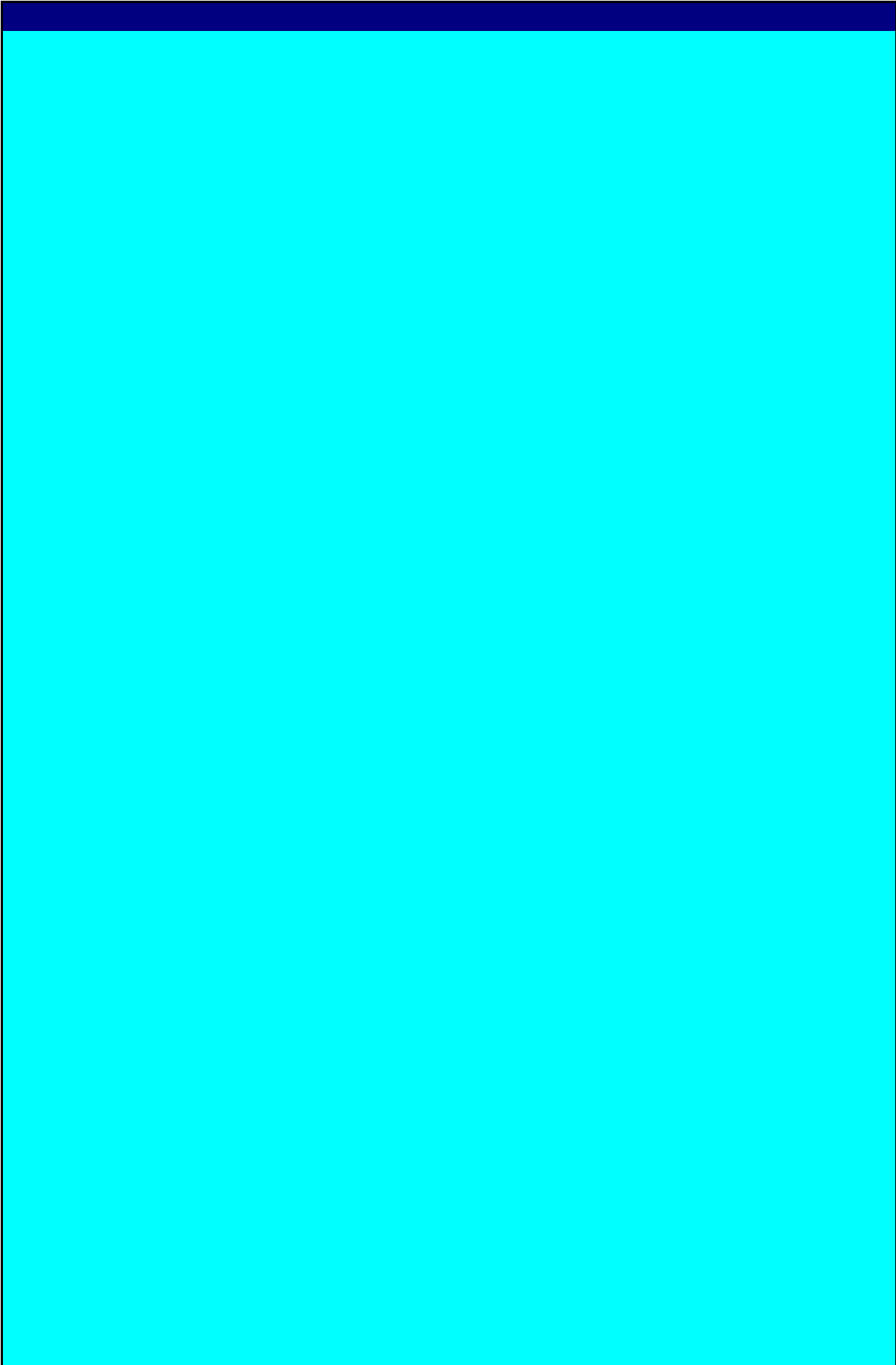


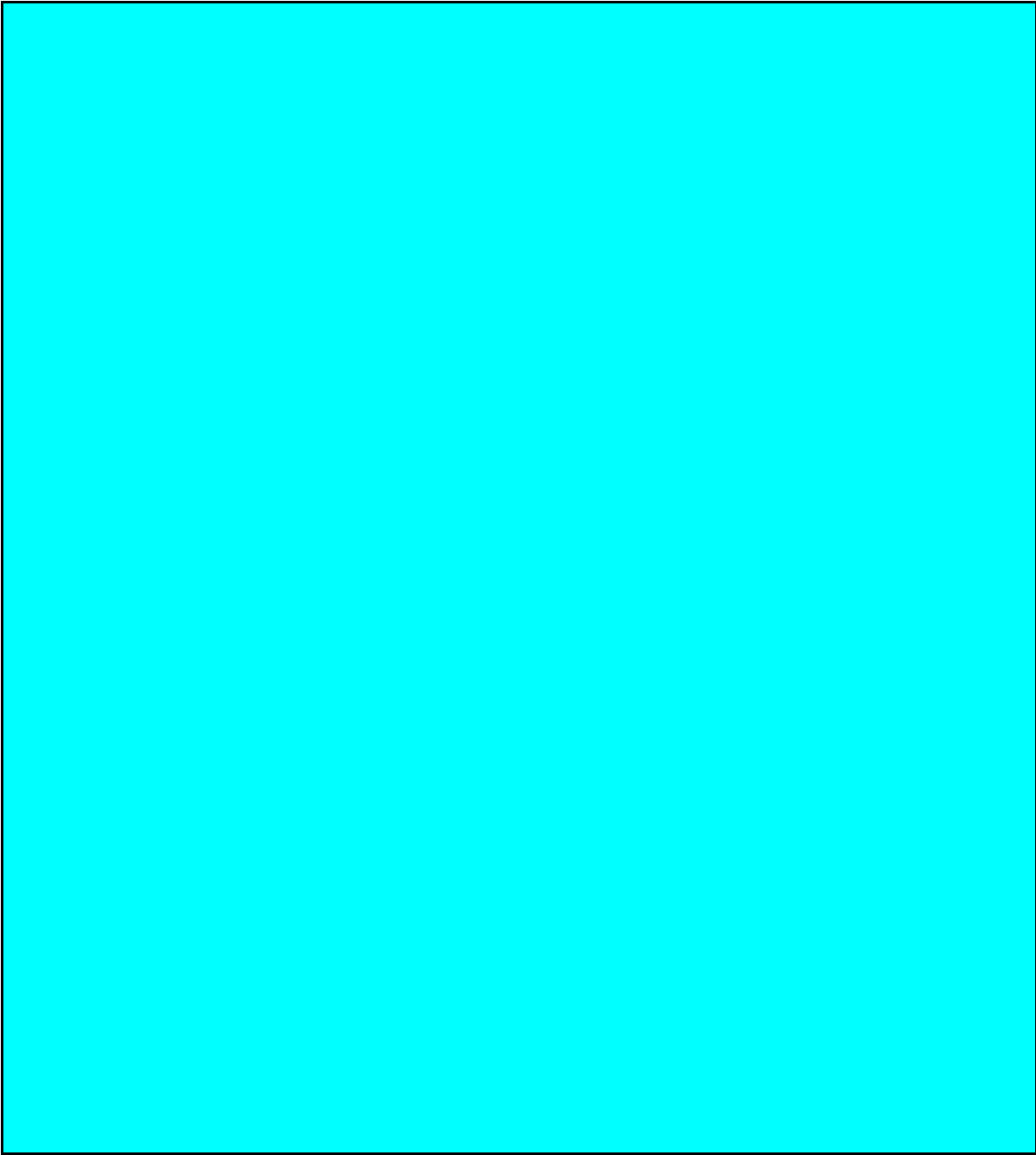


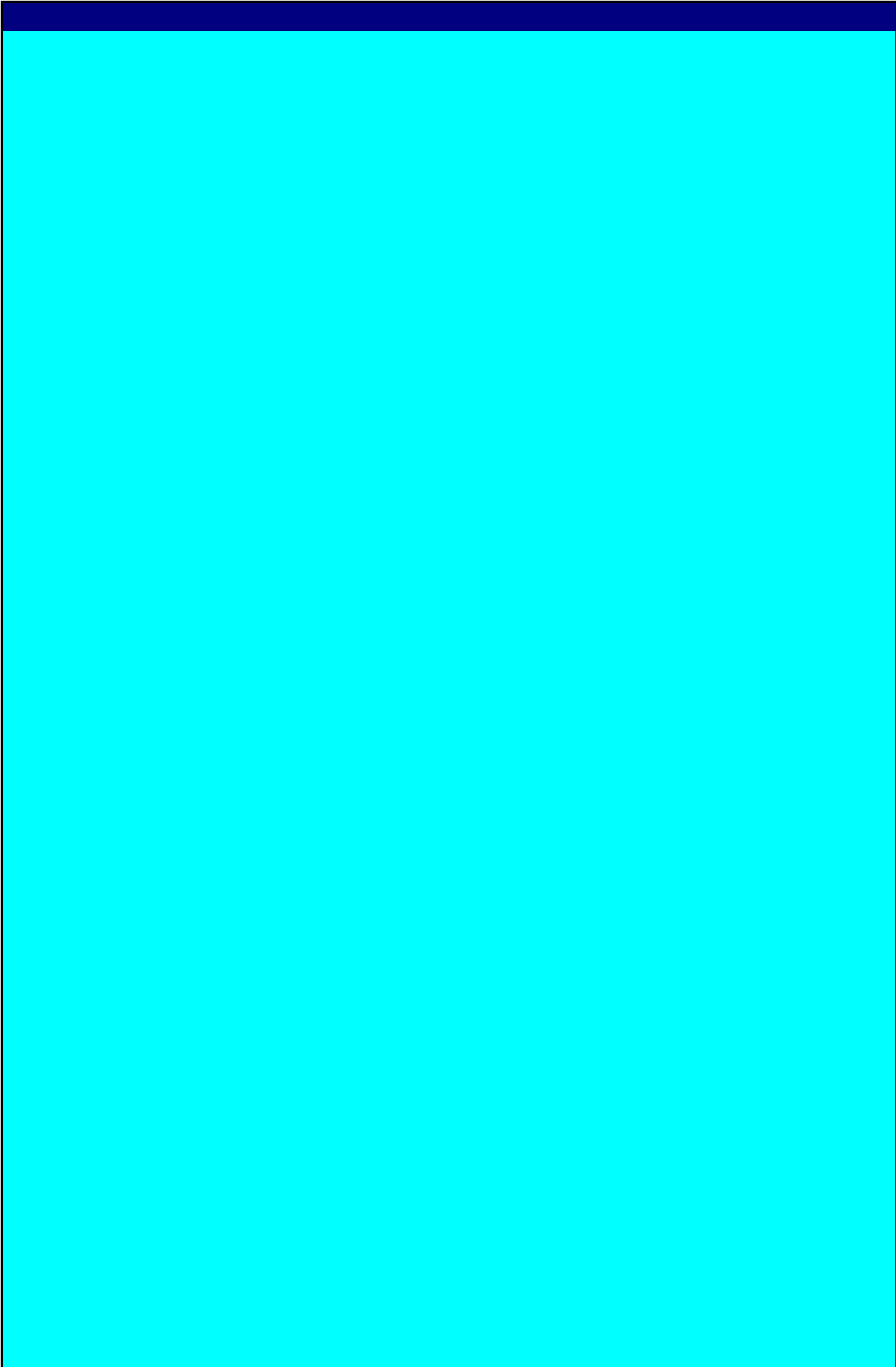


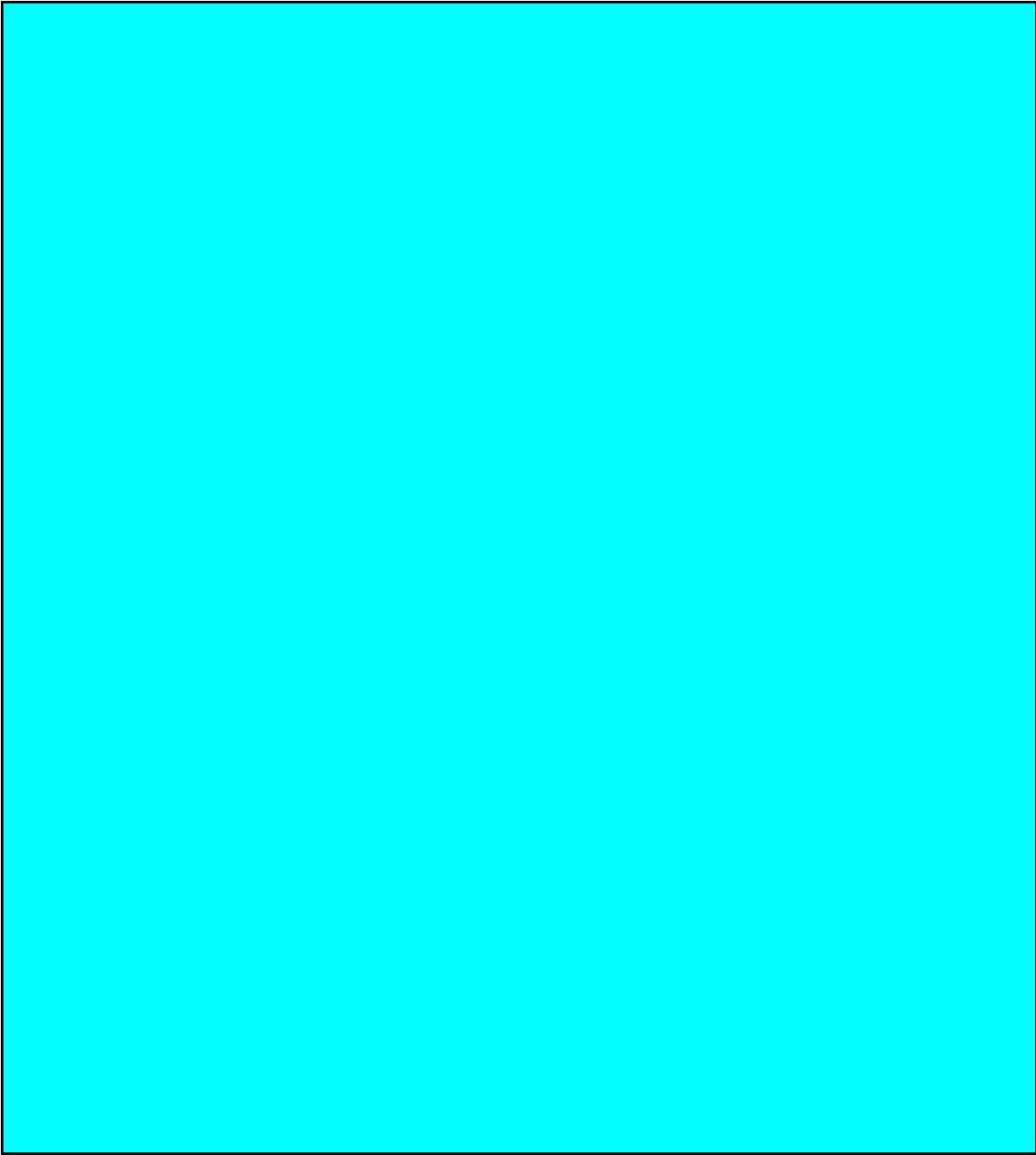


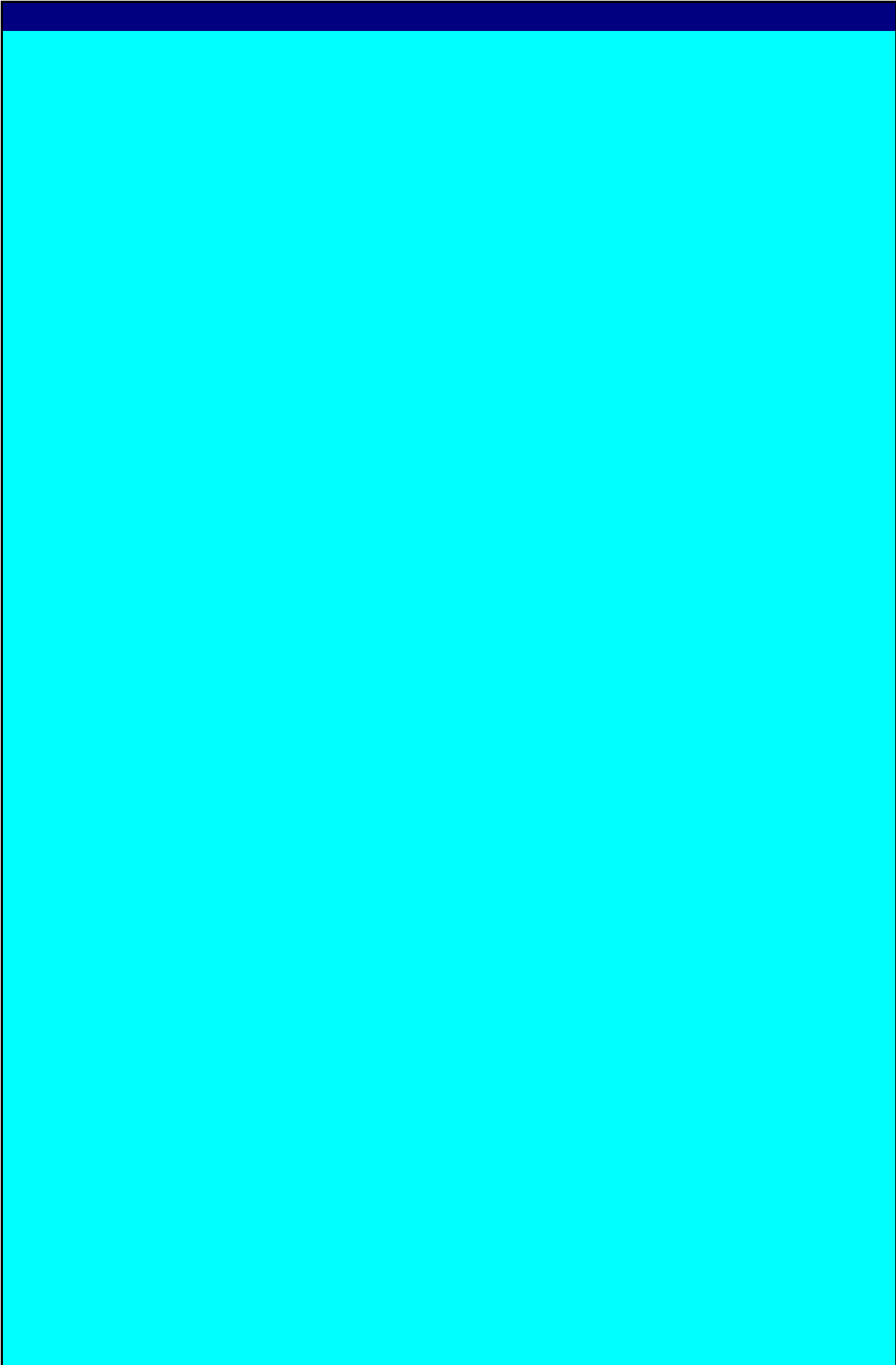


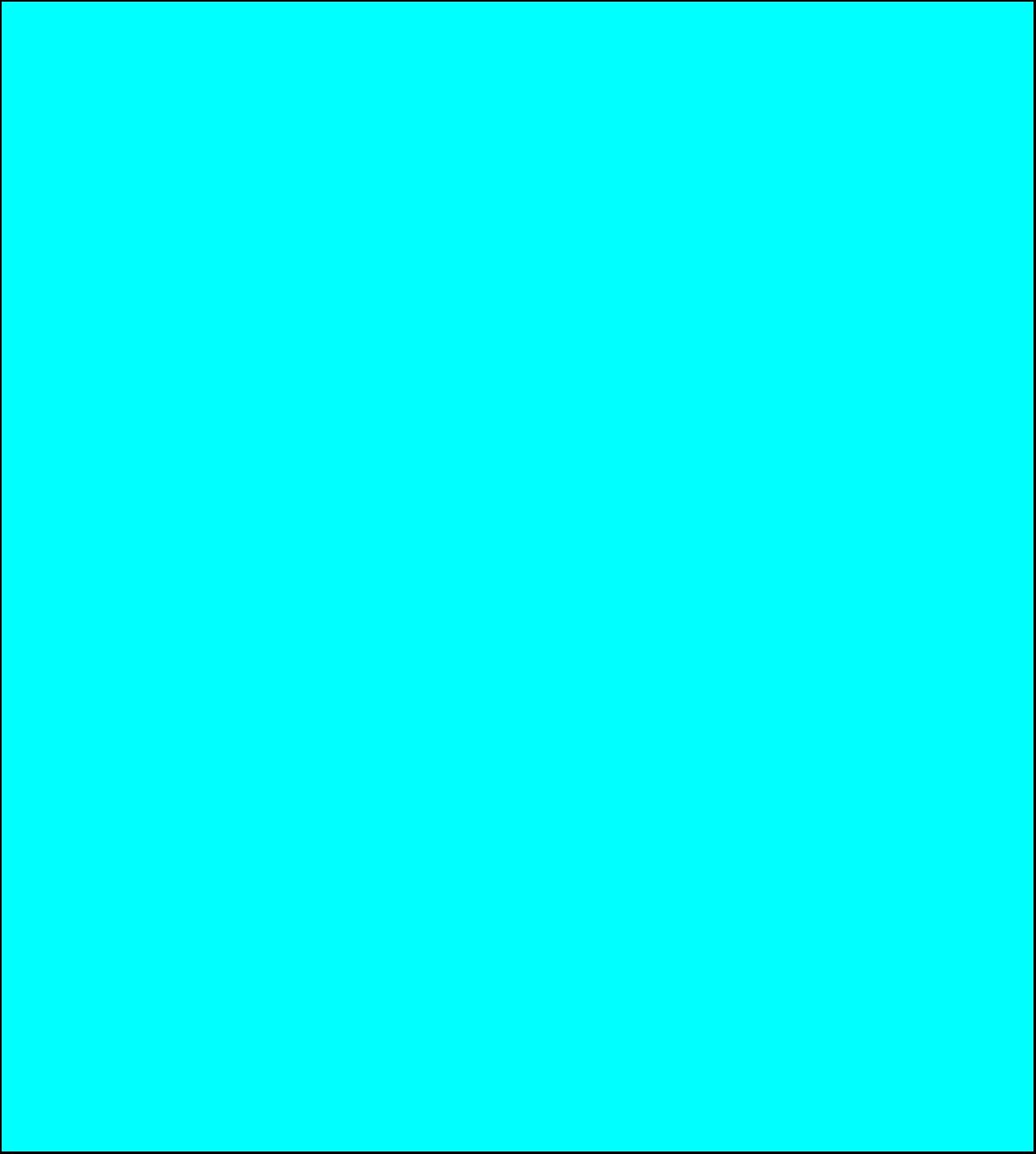


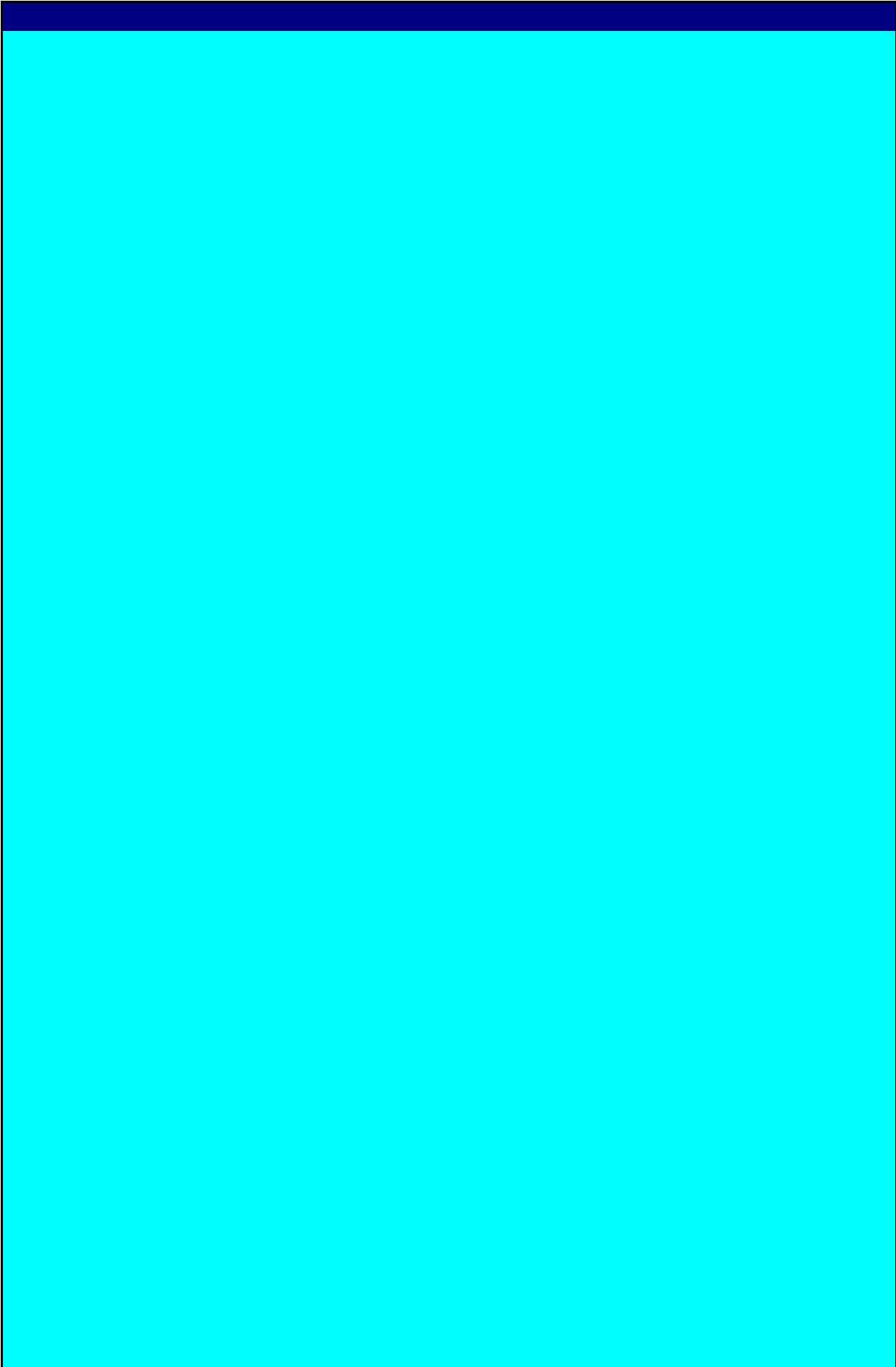


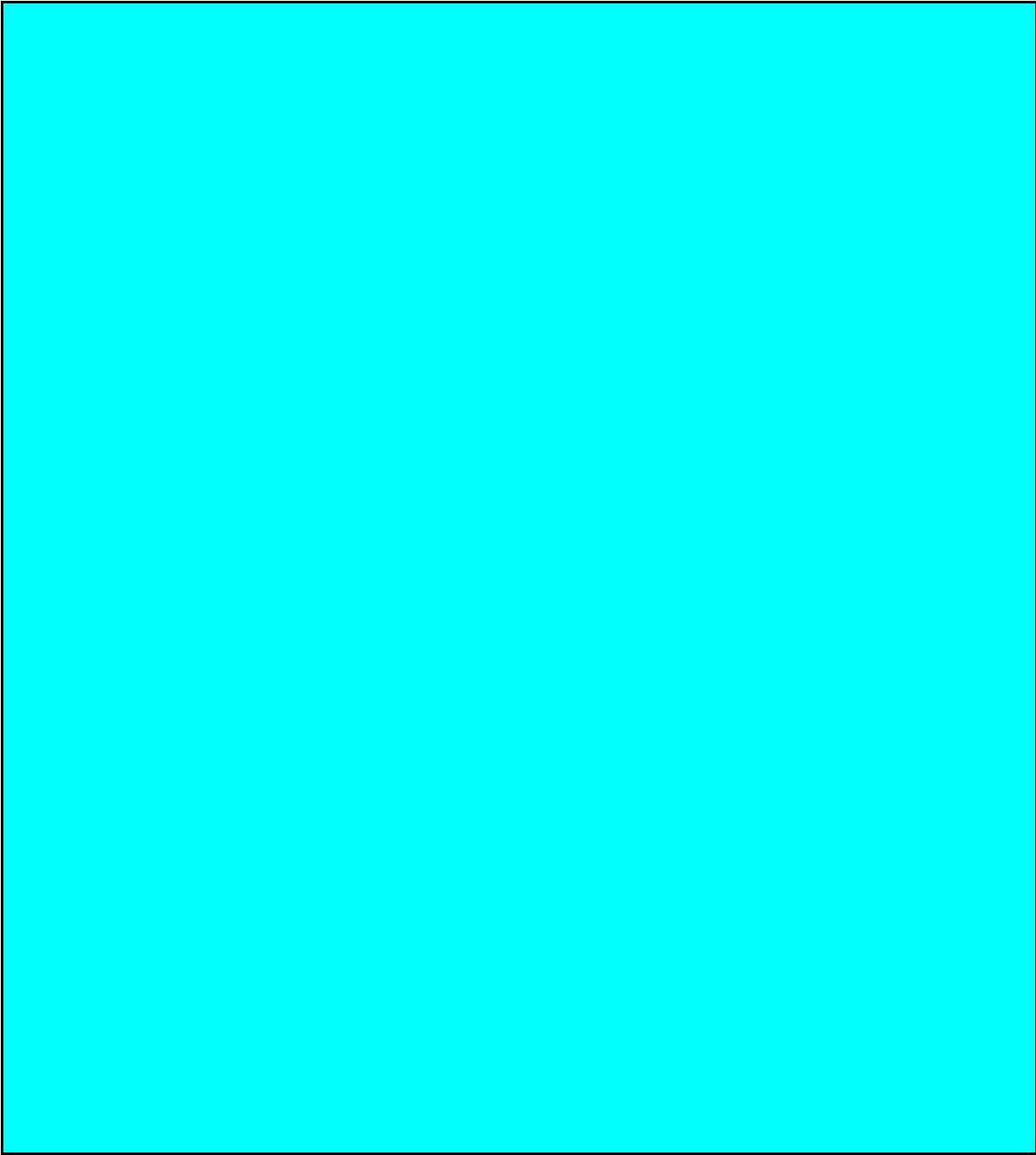


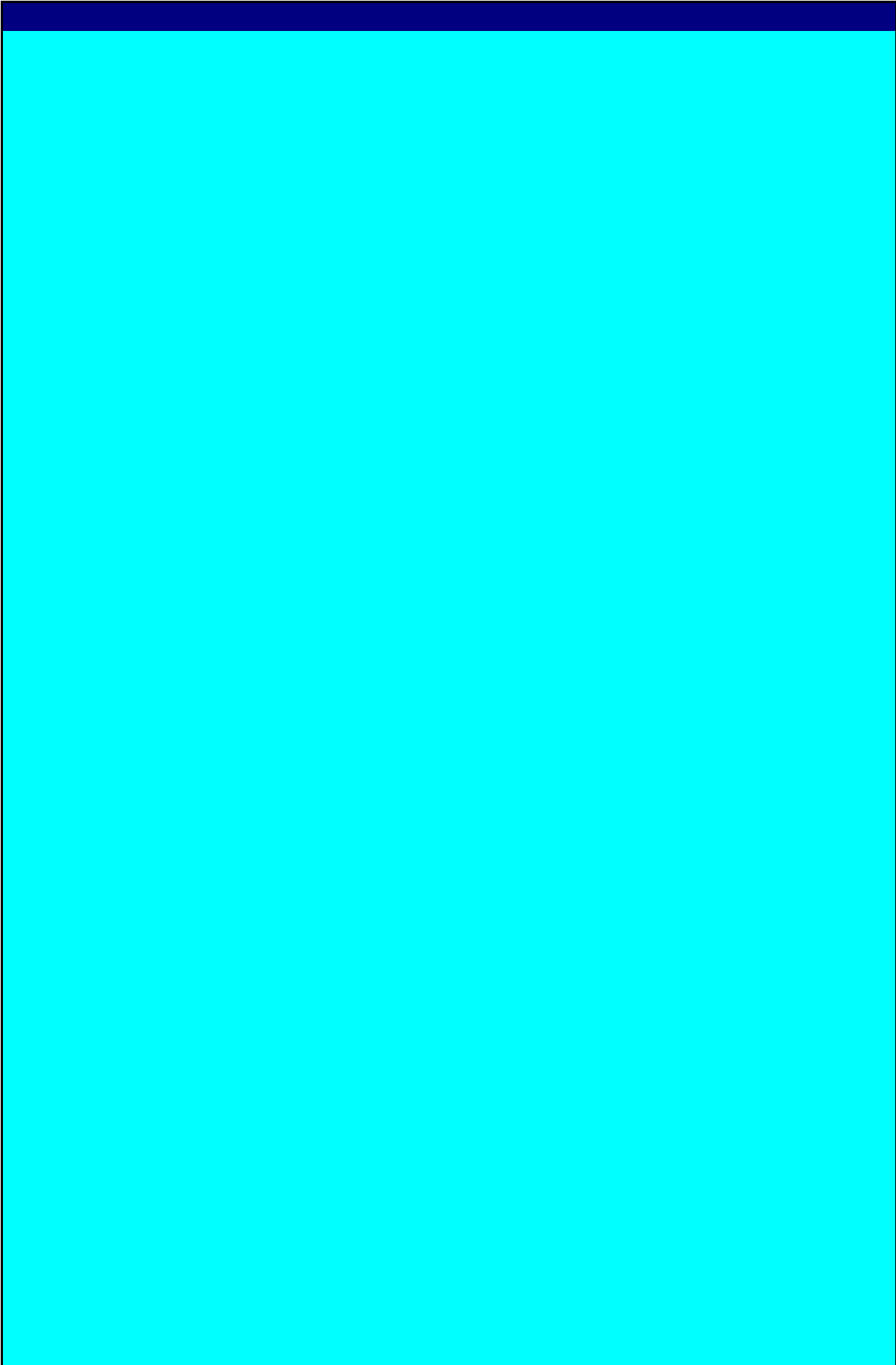


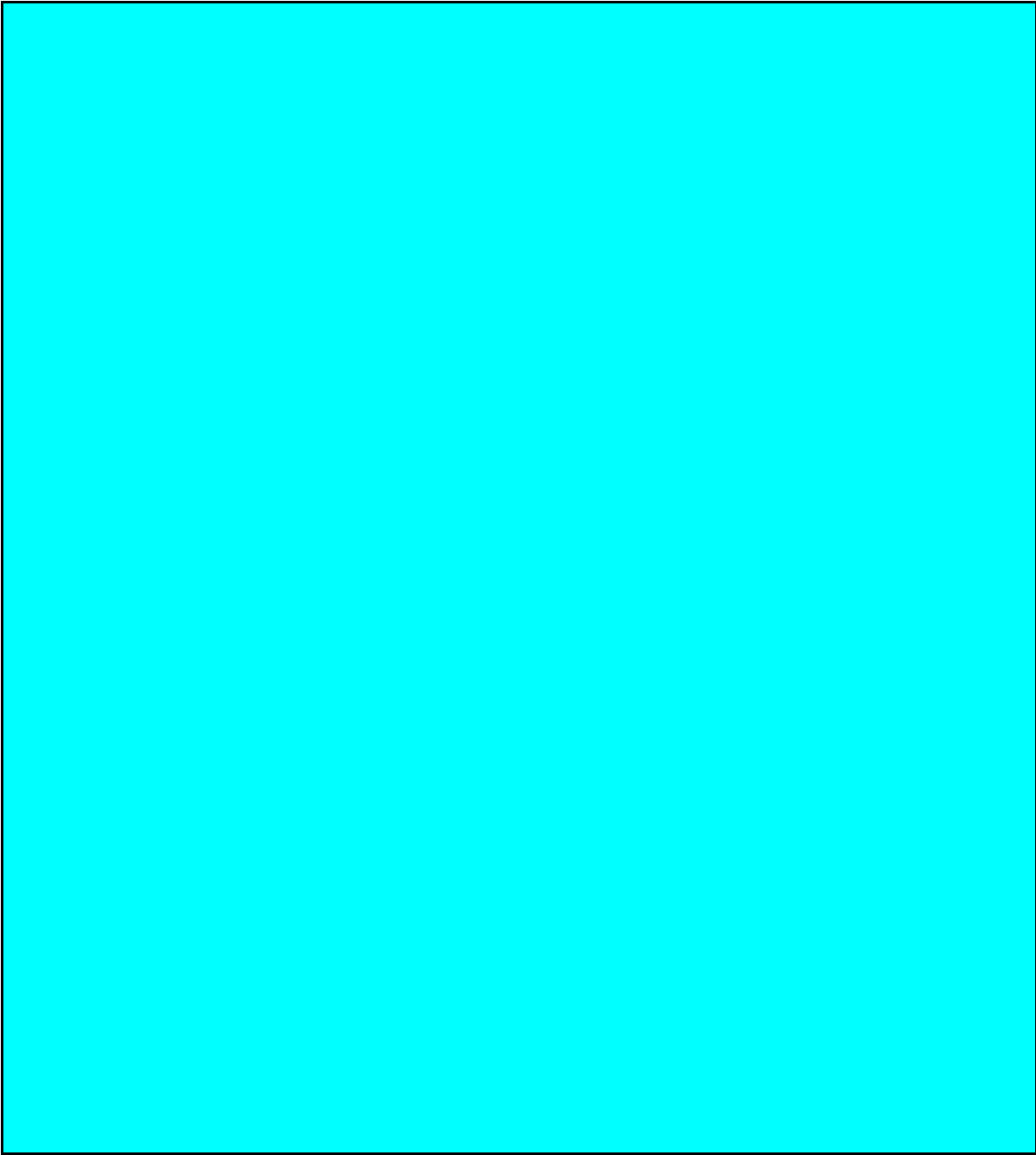


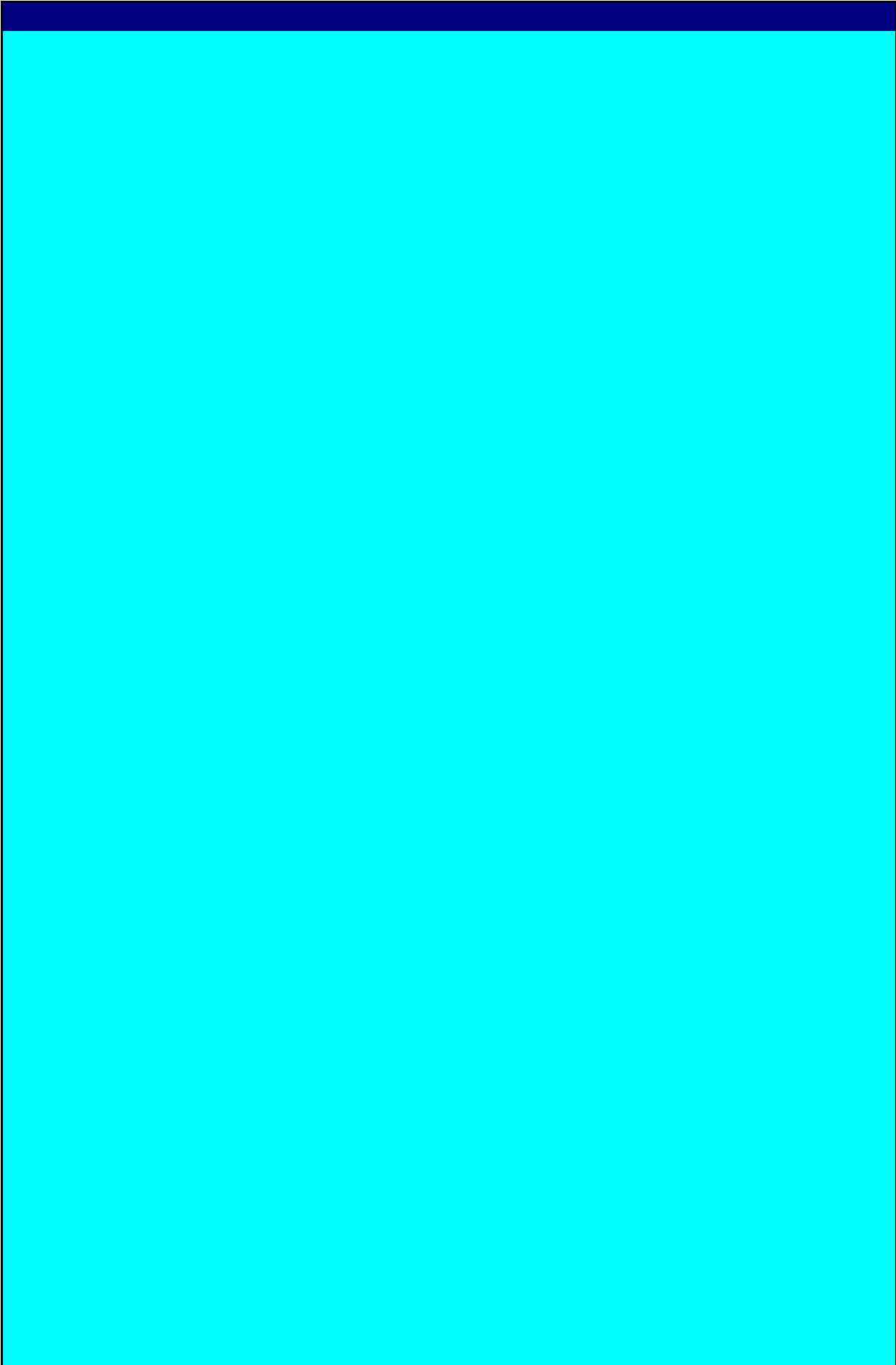


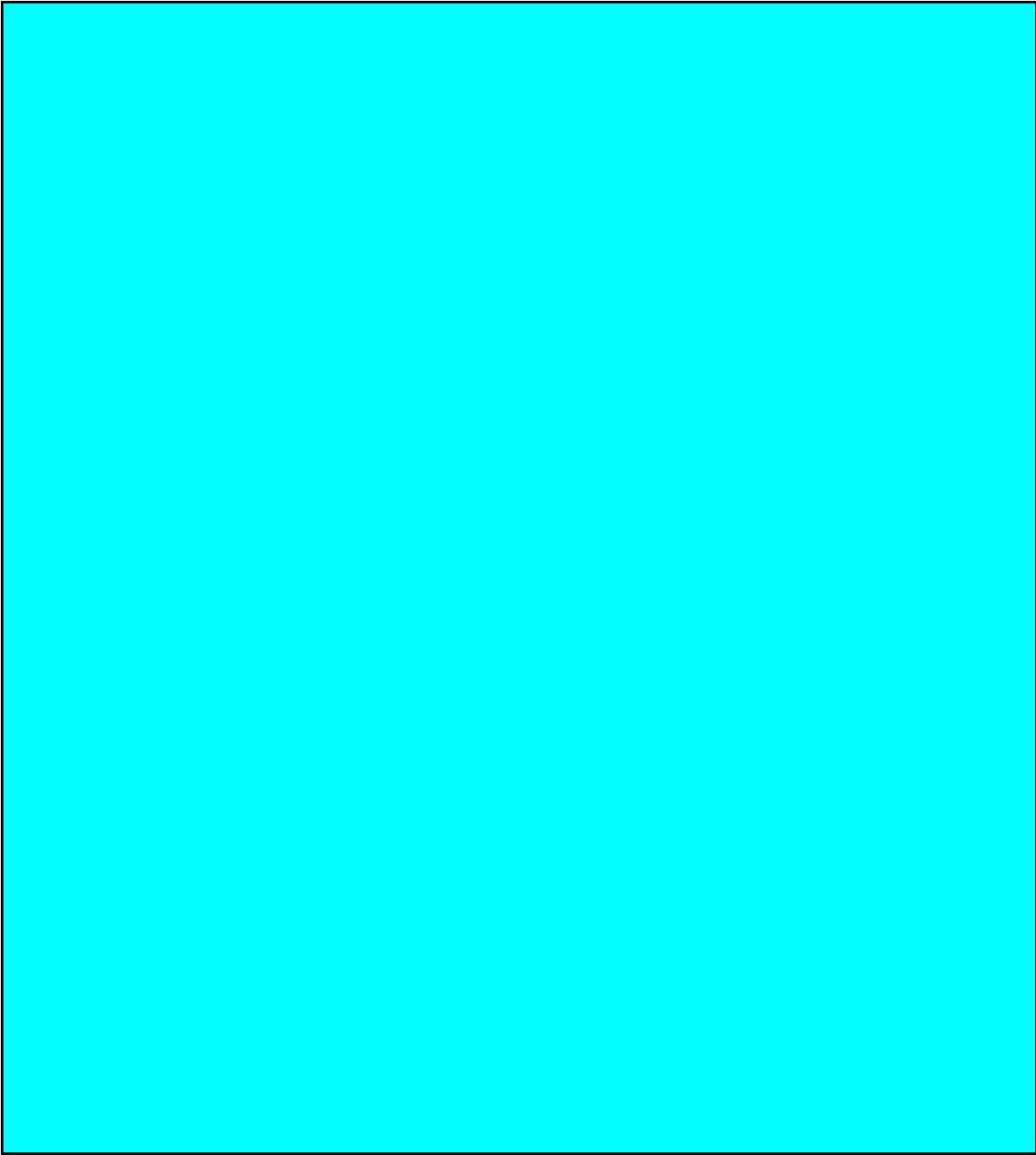












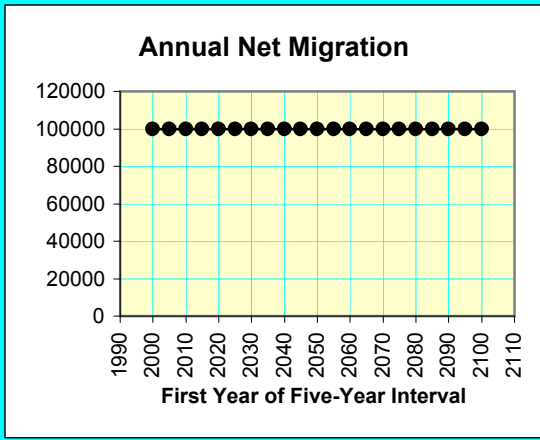
Net Migration - Trend in Annual Volume of Net Migration

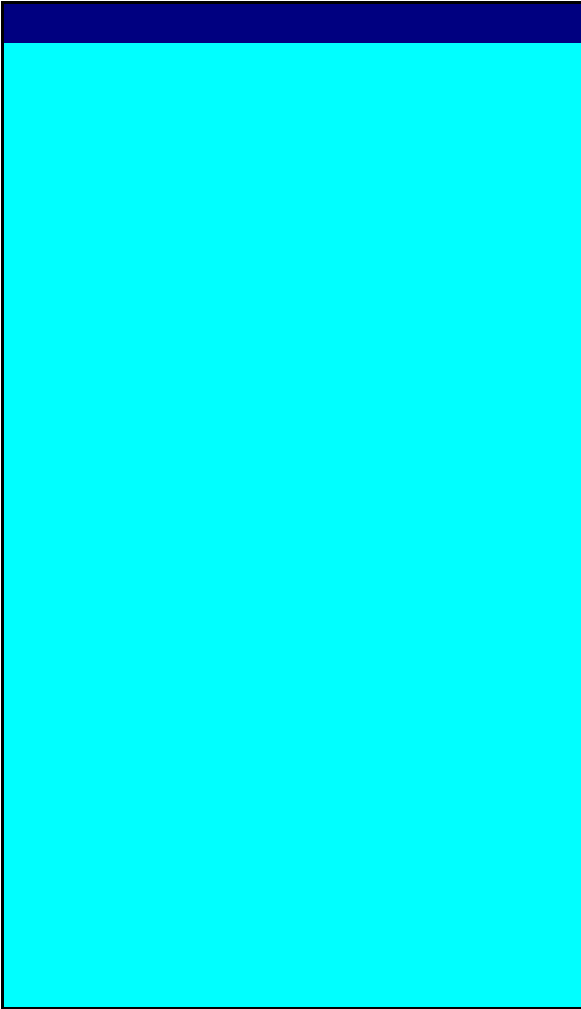
EITHER choose 'Model Data' from the Data Menu and click the 'Change Trend' button, **OR**, to enter your own data, first select 'User Data' from the top of the Data Menu list, then type the annual average net migration data in the yellow cells.

1
2
3
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5
6
7
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11

No.	Year	Selected Data	User Data
		Data: <input type="text" value="Model Data"/> ▼	
0	2000	100000	90000
5	2005	100000	90000
10	2010	100000	90000
15	2015	100000	90000
20	2020	100000	90000
25	2025	100000	90000
30	2030	100000	90000
35	2035	100000	90000
40	2040	100000	90000
45	2045	100000	90000
50	2050	100000	90000
55	2055	100000	90000
60	2060	100000	90000
65	2065	100000	90000
70	2070	100000	90000
75	2075	100000	90000
80	2080	100000	90000
85	2085	100000	90000
90	2090	100000	90000
95	2095	100000	90000
100	2100	100000	90000

Not used, applies to years 100-105

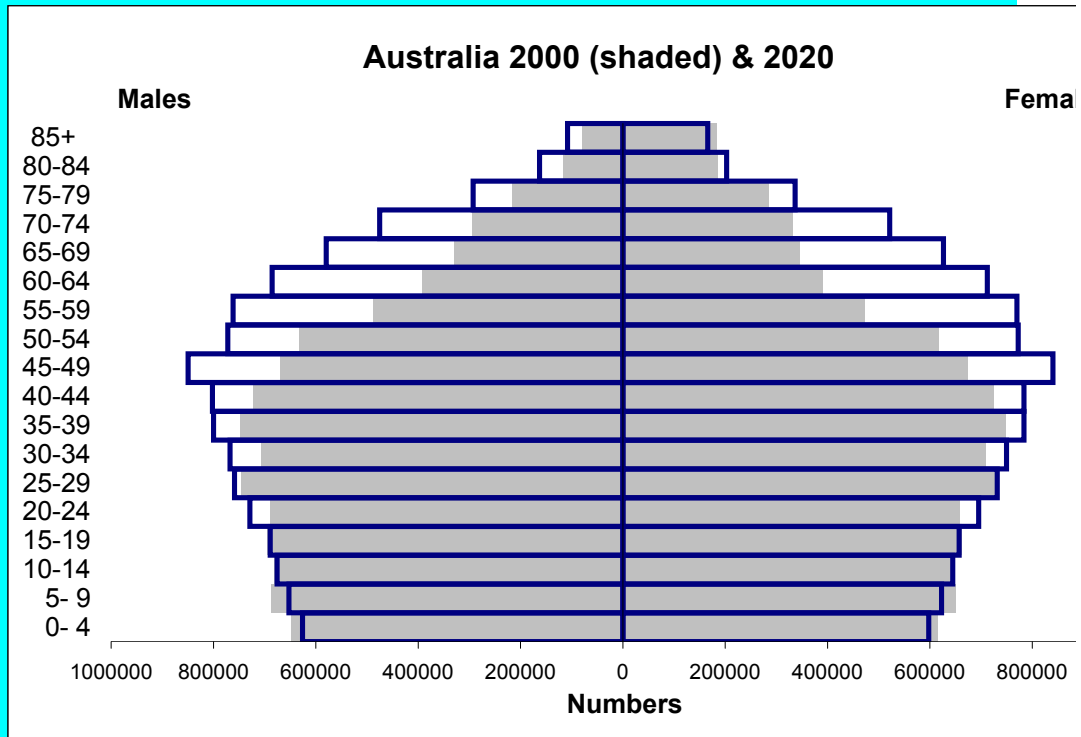




Population Projections - Age Distributions

Use the scroll bars to modify the display.

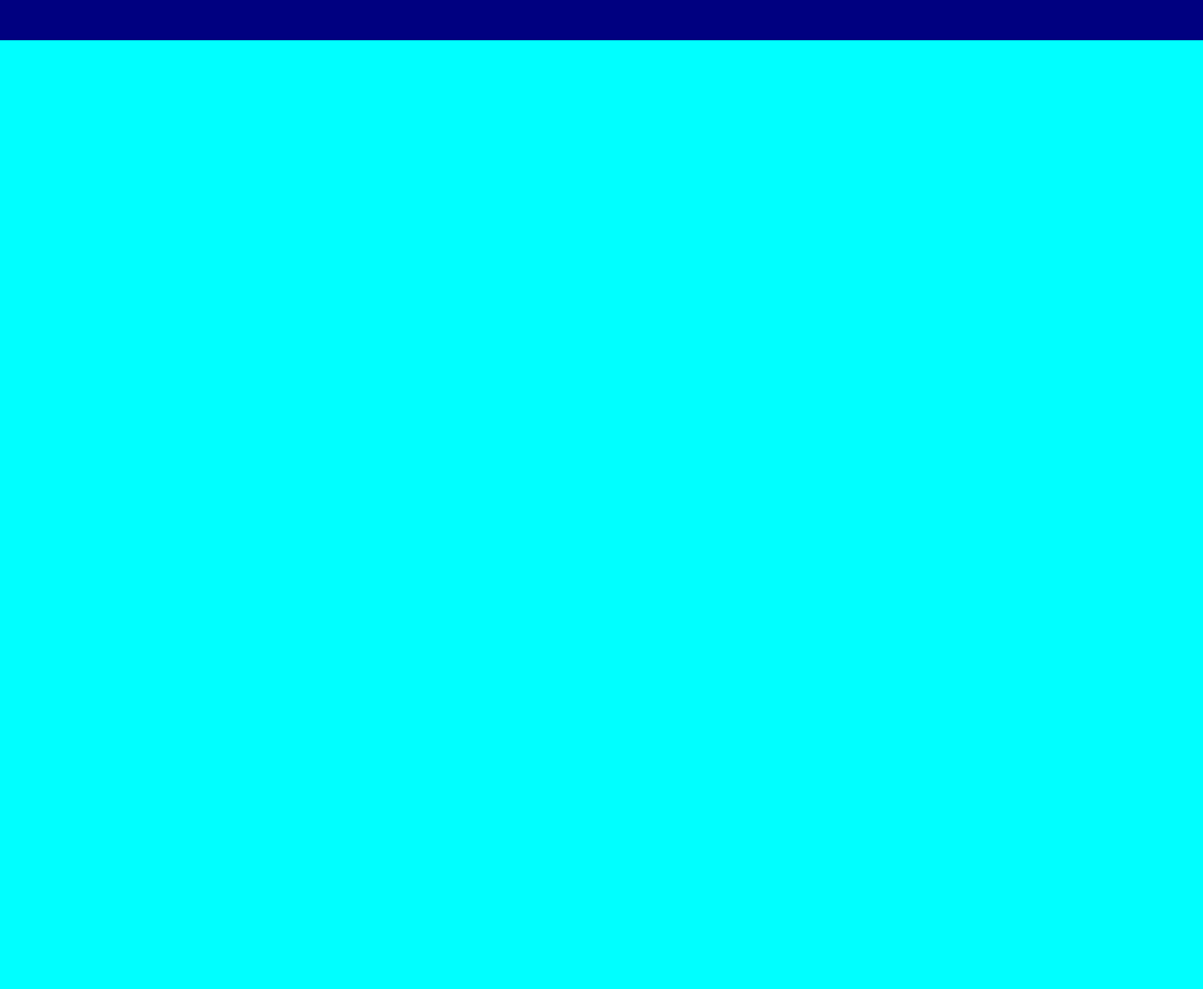
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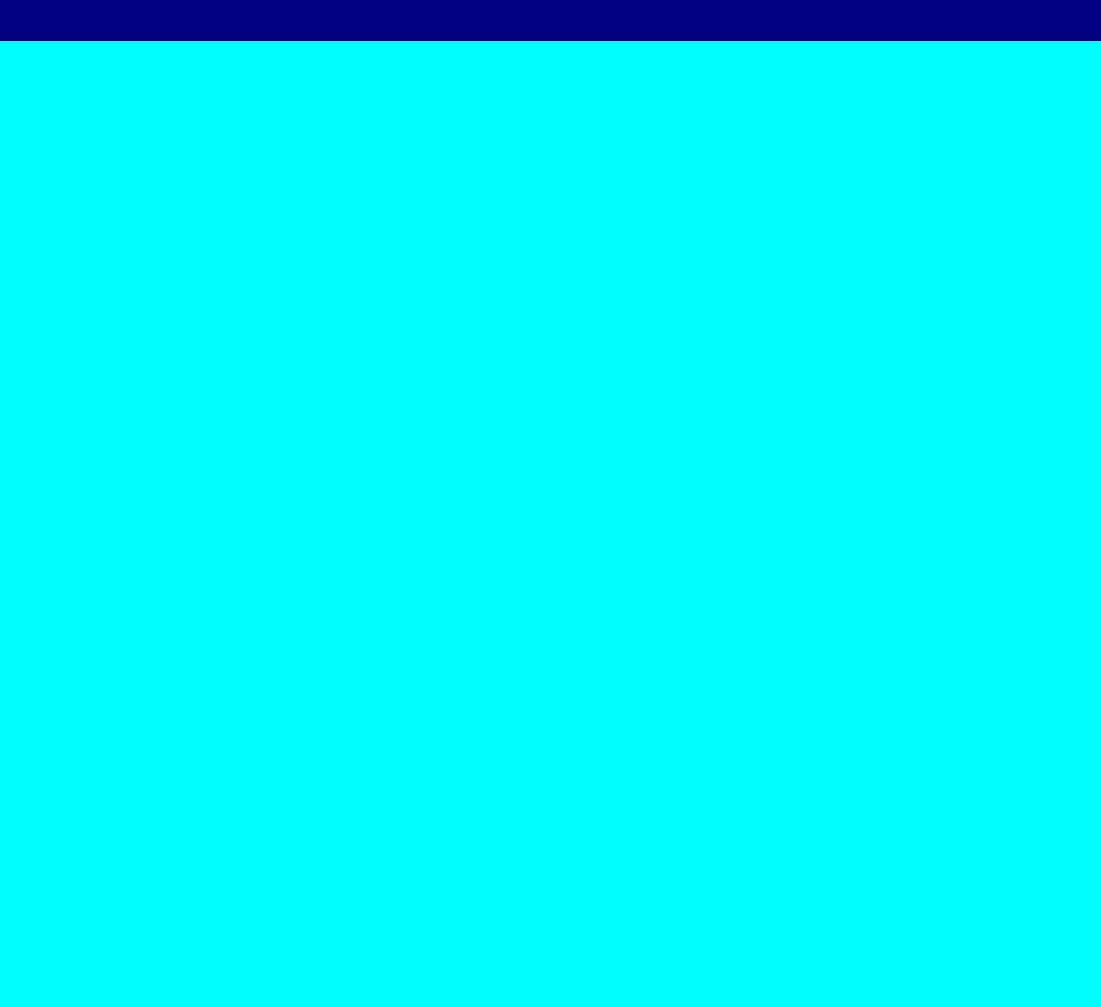


First Year (shaded) Second Year

Population









Population Projections (Numbers)

Return to graphs of projected age distributions

Australia

Return to summary table of projected trends

Males

Year:	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070	2075	2080	2085	2090	2095	2100
0-4	648 079	622 092	626 306	625 506	626 103	627 162	624 143	616 197	608 218	603 078	599 144	594 667	588 766	581 208	572 801	564 682	557 180	549 780	541 885	533 291	524 204
5-9	686 626	674 987	649 029	653 237	652 438	653 035	654 092	651 077	643 140	635 169	630 035	626 105	621 634	615 738	608 189	599 791	591 681	584 187	576 795	568 909	560 324
10-14	680 974	709 158	697 526	671 583	675 789	674 991	675 587	676 644	673 631	665 598	657 732	652 601	648 573	644 204	630 787	622 374	614 269	606 780	599 392	591 510	583 026
15-19	694 906	698 593	726 741	716 119	689 201	693 403	692 605	694 267	691 246	683 321	675 363	670 236	666 312	661 848	655 961	648 423	640 038	631 941	624 458	617 078	609 704
20-24	687 850	708 631	712 302	740 417	728 813	702 934	707 130	706 334	706 929	707 983	704 977	697 064	689 118	683 999	680 081	675 623	669 746	662 219	653 847	645 762	638 291
25-29	744 025	708 398	727 143	730 808	758 875	747 291	721 456	725 645	724 850	725 444	726 496	723 495	715 996	707 663	702 554	698 642	694 192	688 325	680 811	672 453	664 382
30-34	705 902	781 295	743 135	763 844	767 503	795 521	783 957	786 167	762 349	761 555	762 148	763 198	760 202	752 317	744 398	739 297	735 392	730 950	725 093	719 592	709 248
35-39	747 925	742 064	817 292	779 215	799 879	803 530	831 486	819 948	794 214	798 387	797 595	798 186	799 234	796 245	788 377	780 475	775 385	771 489	767 056	761 212	753 728
40-44	722 355	770 902	765 061	840 025	802 082	822 673	826 311	854 169	842 671	817 028	821 186	820 397	820 986	822 031	819 052	811 211	803 338	798 266	794 383	789 966	784 143
45-49	669 867	732 831	781 042	775 241	849 685	812 005	832 455	836 066	863 731	852 313	826 848	830 977	830 193	830 778	831 815	828 857	821 071	813 252	808 215	804 360	799 973
50-54	631 748	668 032	730 132	777 682	771 961	845 383	808 220	828 388	831 951	859 237	847 975	822 860	826 159	826 736	826 759	826 736	826 736	826 736	817 162	809 450	804 483
55-59	486 876	619 770	655 086	715 531	761 812	755 244	827 708	791 536	811 166	814 634	841 192	830 231	805 785	809 749	808 996	809 558	810 554	807 714	800 240	792 733	787 898
60-64	391 367	467 645	594 173	627 797	685 346	729 410	724 108	792 149	757 710	776 400	804 987	794 551	771 276	775 050	774 334	774 869	775 817	773 113	765 997	758 850	750 248
65-69	328 670	362 765	432 776	548 910	579 771	632 593	673 037	668 171	730 623	699 012	716 167	719 197	742 406	732 827	711 464	714 928	714 271	714 762	715 632	713 150	706 618
70-74	293 793	285 400	314 778	375 103	475 168	501 760	547 273	582 121	577 929	631 739	604 503	619 284	621 895	641 892	633 639	615 232	618 216	617 650	618 073	618 823	616 685
75-79	215 844	229 615	223 101	245 903	292 727	370 396	391 036	426 363	453 412	450 157	491 925	470 784	482 257	484 284	499 805	493 399	479 112	481 428	480 988	481 317	481 899
80-84	116 528	143 052	152 132	147 837	162 871	193 744	244 954	258 563	281 855	299 690	297 544	325 083	311 144	318 708	320 045	330 279	326 055	316 635	318 162	317 872	318 089
85+	79 059	83 369	96 413	105 772	107 914	115 180	131 313	159 801	177 609	194 995	209 894	215 289	229 221	229 218	232 416	234 335	239 476	239 863	236 043	235 072	234 539
Total	9 532 994	10 006 589	10 444 167	10 839 528	11 187 937	11 477 253	11 696 872	11 844 541	11 936 243	11 983 766	11 998 383	11 989 768	11 958 829	11 914 609	11 855 578	11 785 131	11 706 176	11 623 806	11 538 507	11 446 842	11 348 139

Females

Year:	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070	2075	2080	2085	2090	2095	2100
0-4	615 080	594 006	598 030	597 266	597 836	598 847	595 966	588 373	580 769	575 851	572 091	567 820	562 184	554 968	546 940	539 188	532 024	524 959	517 420	509 214	500 537
5-9	649 857	640 557	619 496	623 516	622 753	623 323	624 333	621 453	613 870	606 255	601 350	597 596	593 324	587 692	580 479	572 456	564 709	557 549	550 487	542 953	534 752
10-14	645 961	670 987	661 689	640 632	644 652	643 889	644 459	645 469	642 589	635 008	627 395	622 491	618 737	614 466	608 835	601 625	593 603	585 857	578 699	571 639	564 106
15-19	661 233	662 484	687 502	678 207	657 157	661 175	660 413	660 982	661 992	659 113	651 534	643 923	639 021	635 268	630 998	625 369	618 160	610 141	602 398	595 242	588 194
20-24	657 844	678 393	679 643	704 650	695 359	674 319	678 336	677 573	678 143	679 152	676 274	668 699	661 091	656 191	652 440	648 173	642 546	635 341	627 326	619 586	612 433
25-29	732 733	684 999	705 535	706 784	731 774	722 490	701 463	705 477	704 715	705 284	706 293	703 417	698 647	688 245	683 348	679 599	675 335	669 712	662 512	654 502	646 767
30-34	707 708	775 845	728 156	748 672	749 920	774 887	765 611	744 604	748 615	747 853	748 422	748 429	746 556	738 993	731 398	726 506	722 761	718 500	712 883	705 689	697 687
35-39	747 386	742 889	810 929	763 308	783 795	785 041	809 972	800 710	779 733	783 738	782 977	783 545	784 551	781 682	774 130	766 546	761 661	757 921	753 666	748 057	740 874
40-44	723 784	768 011	763 526	831 393	783 893	804 328	805 571	830 439	821 200	800 276	804 271	803 512	804 079	805 082	802 220	794 687	787 122	782 249	778 519	774 275	768 680
45-49	673 489	733 313	777 319	772 856	840 385	793 122	813 455	814 692	836 335	809 423	813 398	812 832	812 643	813 207	814 205	811 358	803 862	796 335	791 486	787 775	783 552
50-54	615 951	674 158	733 437	777 042	772 620	839 533	792 701	812 849	814 074	838 593	829 483	808 854	812 792	812 044	812 603	813 592	810 771	803 343	795 885	791 080	787 403
55-59	472 509	611 471	668 756	727 095	770 010	765 658	831 511	785 421	805 249	806 456	830 585	821 621	801 318	805 194	804 458	805 008	805 981	803 204	795 895	788 554	783 826
60-64	389 123	464 590	599 754	655 473	712 218	753 959	749 126	813 780	766 949	788 235	789 409	812 879	804 159	784 411	788 181	787 466	788 000	788 947	786 246	779 136	771 997
65-69	344 566	373 821	445 459	573 764	626 656	680 521	720 745	716 126	776 930	734 374	752 682	753 795	776 075	767 797	774 052	752 630	751 951	752 458	753 357	750 794	744 044
70-74	331 067	314 218	340 668	405 434	521 433	569 252	617 951	653 774	650 141	705 113	666 638	683 190	684 197	704 340	696 856	679 988	683 144	682 530	682 988	683 801	681 483
75-79	285 198	275 267	261 357	283 193	336 864	432 431	471 909	512 115	541 690	538 690	584 074	552 310	565 975	566 807	583 436	577 258	563 266	565 937	565 430	565 809	566 480
80-84	185 698	204 169	197 091	187 178	202 740	240 848	309 101	337 237	365 891	396 969	384 831	417 176	394 538	404 277	404 870	416 721	412 318	402 346	404 250	403 888	404 158
85+	182 169	170 167	173 146	171 259	165 825	170 489	190 184	230 681	262 284	280 031	312 513	321 881	341 088	339 508	343 265	345 268	351 648	352 558	348 855	347 340	346 693
Total	9 621 356	10 039 347	10 451 492	10 847 724	11 215 691	11 534 113	11 782 806	11 951 759	12 056 258	12 111 232	12 130 248	12 125 535	12 098 176	12 060 172	12 007 716	11 943 358	11 868 862	11 789 889	11 707 833	11 619 335	11 523 656

Total

Year:	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070	2075	2080	2085	2090	2095	2100
0-4	1 263 159	1 216 099	1 224 336	1 222 772	1 223 940	1 228 009	1 220 108	1 204 575	1 188 977	1 178 929	1 171 238	1 162 487	1 150 950	1 136 176	1 119 741	1 103 871	1 089 204	1 074 739	1 059 305	1 042 505	1 024 741
5-9	1 336 483	1 315 544	1 268 524	1 276 754	1 275 192	1 276 359	1 278 426	1 272 530	1 257 010	1 241 425	1 231 386	1 223 701	1 214 957	1 203 430	1 188 668	1 172 247	1 156 390	1 141 736	1 127 283	1 111 861	1 095 076
10-14	1 326 935	1 380 145	1 359 215	1 312 215	1 320 442	1 318 880	1 320 046	1 322 113	1 316 220	1 300 706	1 285 127	1 275 092	1 267 410	1 258 670	1 247 148	1 232 392	1 215 977	1 200 127	1 185 479	1 171 031	1 155 617

Population Projections (Males)

Table 1: Age Distribution of Base Population and Migration

Age	Base Population Year: 2000 Males	Age Distribution of Net Migration in the Base Year Males (proportions)
	Australia	
0- 4	648079	0,05526
5- 9	686626	0,04589
10-14	680974	0,03651
15-19	694906	0,02960
20-24	687850	0,03947
25-29	744625	0,07599
30-34	705902	0,07549
35-39	747925	0,05132
40-44	722355	0,03109
45-49	669867	0,01480
50-54	631748	0,00987
55-59	486876	0,00839
60-64	391367	0,00740
65-69	328670	0,00474
70-74	293793	0,00355
75-79	215844	0,00178
80-84	116528	0,00178 (80+)
80+	79059	0,49292 (Total)
Total	9532994	1,00000 (Grand total, including females)

Table 2: Survival Ratios (Males): Proportion surviving to next higher age group after 5 years.

Year:	2000	2005	2010	2015	2020	2025	2030	2035
Births	0,993	0,993	0,993	0,993	0,993	0,993	0,993	0,993
0- 4	0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999
5- 9	0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999
10-14	0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999
15-19	0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998
20-24	0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998
25-29	0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998
30-34	0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998
35-39	0,996	0,996	0,996	0,996	0,996	0,996	0,996	0,996
40-44	0,993	0,993	0,993	0,993	0,993	0,993	0,993	0,993
45-49	0,986	0,986	0,986	0,986	0,986	0,986	0,986	0,986
50-54	0,973	0,973	0,973	0,973	0,973	0,973	0,973	0,973
55-59	0,952	0,952	0,952	0,952	0,952	0,952	0,952	0,952
60-64	0,918	0,918	0,918	0,918	0,918	0,918	0,918	0,918
65-69	0,862	0,862	0,862	0,862	0,862	0,862	0,862	0,862
70-74	0,776	0,776	0,776	0,776	0,776	0,776	0,776	0,776
75-79	0,659	0,659	0,659	0,659	0,659	0,659	0,659	0,659
80+	0,423	0,423	0,423	0,423	0,423	0,423	0,423	0,423

Table 3: Projected Survivors

Year:	2005	2010	2015	2020	2025	2030	2035
Age (end of period)							
5- 9	647371	621412	625621	624822	625419	626476	623461
10-14	686221	674589	648646	652852	652054	652650	653707
15-19	680335	708493	696871	670953	675155	674358	674954
20-24	693840	697511	725626	714022	688143	692339	691543
25-29	686678	707423	711089	739155	727571	701737	705925

MainM

30-34	743335	705174	725884	729543	757561	745997	720207
35-39	704359	779587	741510	762174	765825	793781	782243
40-44	745290	739449	814412	776469	797060	800698	828557
45-49	717343	765553	759753	834196	796516	816964	820577
50-54	660681	722782	770331	764610	838033	800870	821038
55-59	614901	650217	710662	756943	751375	822840	786668
60-64	463552	590079	623703	681252	725316	720015	788056
65-69	359216	429228	545361	576223	629044	669488	664623
70-74	283196	312573	372898	472963	499555	545068	579917
75-79	228038	221524	244326	291149	368819	389459	424785
80-84	142315	151395	147100	162134	193007	244217	257826
85+	82737	95781	105140	107282	114548	130681	159169
(80+)	225052	247176	252239	269416	307554	374898	416995
Total	9139407	9572770	9968932	10316743	10605001	10827639	10983254

Table 4: Projected Total Births

5 Years to:	2005	2010	2015	2020	2025	2030	2035
Male Births	626418	630660	629855	630456	631522	628483	620482

Table 5: Net Migration (Males) [Survival ratios not applied to net migration losses]

5 Years To:	2005	2010	2015	2020	2025	2030	2035
Volume (annual *5):	500000	500000	500000	500000	500000	500000	500000
Age (end of period)							
5- 9	27616	27616	27616	27616	27616	27616	27616
10-14	22937	22937	22937	22937	22937	22937	22937
15-19	18248	18248	18248	18248	18248	18248	18248
20-24	14791	14791	14791	14791	14791	14791	14791
25-29	19720	19720	19720	19720	19720	19720	19720
30-34	37960	37960	37960	37960	37960	37960	37960
35-39	37705	37705	37705	37705	37705	37705	37705
40-44	25612	25612	25612	25612	25612	25612	25612
45-49	15489	15489	15489	15489	15489	15489	15489
50-54	7350	7350	7350	7350	7350	7350	7350
55-59	4868	4868	4868	4868	4868	4868	4868
60-64	4094	4094	4094	4094	4094	4094	4094
65-69	3549	3549	3549	3549	3549	3549	3549
70-74	2205	2205	2205	2205	2205	2205	2205
75-79	1578	1578	1578	1578	1578	1578	1578
80-84	737	737	737	737	737	737	737
85+	632	632	632	632	632	632	632
Total	245090	245090	245090	245090	245090	245090	245090

Note: Arrivals aged 0-4 at the end of the period are calculated as births to migrants.

Table 6: Population Projections

Year:	2000	2005	2010	2015	2020	2025	2030	2035
	Base							
0- 4	648079	622092	626306	625506	626103	627162	624143	616197
5- 9	686626	674987	649029	653237	652438	653035	654092	651077
10-14	680974	709158	697526	671583	675789	674991	675587	676644
15-19	694906	698583	726741	715119	689201	693403	692605	693201
20-24	687850	708631	712302	740417	728813	702934	707130	706334
25-29	744625	706398	727143	730808	758875	747291	721456	725645
30-34	705902	781295	743135	763844	767503	795521	783957	758167
35-39	747925	742064	817292	779215	799879	803530	831486	819948
40-44	722355	770902	765061	840025	802082	822673	826311	854169
45-49	669867	732831	781042	775241	849685	812005	832453	836066

MainM

50-54	631748	668032	730132	777682	771961	845383	808220	828388
55-59	486876	619770	655086	715531	761812	756244	827708	791536
60-64	391367	467645	594173	627797	685346	729410	724108	792149
65-69	328670	362765	432776	548910	579771	632593	673037	668171
70-74	293793	285400	314778	375103	475168	501760	547273	582121
75-79	215844	229615	223101	245903	292727	370396	391036	426363
80-84	116528	143052	152132	147837	162871	193744	244954	258563
85+	79059	83369	96413	105772	107914	115180	131313	159801
(80+)	195587	226421	248545	253608	270785	308923	376267	418364
Total	9532994	10006589	10444167	10839528	11187937	11477253	11696872	11844541

MainM

2040	2045	2050	2055	2060	2065	2070	2075	2080
0,993	0,993	0,993	0,993	0,993	0,993	0,993	0,993	0,993
0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999
0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999
0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999	0,999
0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998
0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998
0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998
0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998	0,998
0,996	0,996	0,996	0,996	0,996	0,996	0,996	0,996	0,996
0,993	0,993	0,993	0,993	0,993	0,993	0,993	0,993	0,993
0,986	0,986	0,986	0,986	0,986	0,986	0,986	0,986	0,986
0,973	0,973	0,973	0,973	0,973	0,973	0,973	0,973	0,973
0,952	0,952	0,952	0,952	0,952	0,952	0,952	0,952	0,952
0,918	0,918	0,918	0,918	0,918	0,918	0,918	0,918	0,918
0,862	0,862	0,862	0,862	0,862	0,862	0,862	0,862	0,862
0,776	0,776	0,776	0,776	0,776	0,776	0,776	0,776	0,776
0,659	0,659	0,659	0,659	0,659	0,659	0,659	0,659	0,659
0,423	0,423	0,423	0,423	0,423	0,423	0,423	0,423	0,423

2040	2045	2050	2055	2060	2065	2070	2075	2080
615524	607553	602419	598489	594017	588122	580573	572174	564065
650693	642761	634795	629664	625736	621267	615375	607830	599437
676009	672999	665073	657115	651989	648065	643600	637714	630176
692138	693192	690186	682273	674326	669208	665290	660832	654955
705130	705724	706776	703776	695876	687943	682834	678922	674472

MainM

724388	723595	724188	725238	722242	714356	706438	701337	697432
756509	760682	759890	760481	761529	758540	750672	742770	737680
817059	791416	795574	794784	795374	796418	793440	785599	777725
848242	836824	811359	815488	814704	815290	816327	813369	805582
824601	851886	840625	815509	819581	818808	819386	820409	817491
806298	809766	836324	825363	800917	804880	804128	804690	805686
753616	772306	775608	800894	790458	767183	770957	770240	770775
727074	695464	712618	715649	738857	729279	707916	711379	710722
575724	629535	602298	617079	619691	639688	631434	613027	616012
451834	448580	490347	469206	480679	482706	498228	491821	477534
281118	298953	296807	324346	310407	317971	319308	329542	325318
176977	194363	209262	214657	228589	228586	231784	233703	238844
458095	493316	506069	539003	538996	546557	551092	563245	564162
11082935	11135597	11154149	11150010	11124973	11088311	11037687	10975359	10903906

2040	2045	2050	2055	2060	2065	2070	2075	2080
612447	607271	603309	598802	592859	585249	576783	568608	561054

2040	2045	2050	2055	2060	2065	2070	2075	2080
500000	500000	500000	500000	500000	500000	500000	500000	500000

27616	27616	27616	27616	27616	27616	27616	27616	27616
22937	22937	22937	22937	22937	22937	22937	22937	22937
18248	18248	18248	18248	18248	18248	18248	18248	18248
14791	14791	14791	14791	14791	14791	14791	14791	14791
19720	19720	19720	19720	19720	19720	19720	19720	19720
37960	37960	37960	37960	37960	37960	37960	37960	37960
37705	37705	37705	37705	37705	37705	37705	37705	37705
25612	25612	25612	25612	25612	25612	25612	25612	25612
15489	15489	15489	15489	15489	15489	15489	15489	15489
7350	7350	7350	7350	7350	7350	7350	7350	7350
4868	4868	4868	4868	4868	4868	4868	4868	4868
4094	4094	4094	4094	4094	4094	4094	4094	4094
3549	3549	3549	3549	3549	3549	3549	3549	3549
2205	2205	2205	2205	2205	2205	2205	2205	2205
1578	1578	1578	1578	1578	1578	1578	1578	1578
737	737	737	737	737	737	737	737	737
632	632	632	632	632	632	632	632	632
245090	245090	245090	245090	245090	245090	245090	245090	245090

2040	2045	2050	2055	2060	2065	2070	2075	2080
608218	603078	599144	594667	588766	581208	572801	564682	557180
643140	635169	630035	626105	621634	615738	608189	599791	591681
673631	665698	657732	652601	648673	644204	638312	630767	622374
694257	691246	683321	675363	670236	666312	661848	655961	648423
706929	707983	704977	697064	689118	683999	680081	675623	669746
724850	725444	726496	723495	715596	707663	702554	698642	694192
762349	761555	762148	763198	760202	752317	744398	739297	735392
794214	798387	797595	798186	799234	796245	788377	780475	775385
842671	817028	821186	820397	820986	822031	819052	811211	803338
863731	852313	826848	830977	830193	830778	831815	828857	821071

MainM

831951	859237	847975	822860	826932	826159	826736	827759	824842
811166	814634	841192	830231	805785	809749	808996	809558	810554
757710	776400	779702	804987	794551	771276	775050	774334	774869
730623	699012	716167	719197	742406	732827	711464	714928	714271
577929	631739	604503	619284	621895	641892	633639	615232	618216
453412	450157	491925	470784	482257	484284	499805	493399	479112
281855	299690	297544	325083	311144	318708	320045	330279	326055
177609	194995	209894	215289	229221	229218	232416	234335	239476
459464	494685	507438	540372	540365	547926	552461	564614	565530
11936243	11983766	11998383	11989768	11958829	11914609	11855578	11785131	11706176

2085	2090	2095	2100
0,993	0,993	0,993	0,993
0,999	0,999	0,999	0,999
0,999	0,999	0,999	0,999
0,999	0,999	0,999	0,999
0,998	0,998	0,998	0,998
0,998	0,998	0,998	0,998
0,998	0,998	0,998	0,998
0,998	0,998	0,998	0,998
0,996	0,996	0,996	0,996
0,993	0,993	0,993	0,993
0,986	0,986	0,986	0,986
0,973	0,973	0,973	0,973
0,952	0,952	0,952	0,952
0,918	0,918	0,918	0,918
0,862	0,862	0,862	0,862
0,776	0,776	0,776	0,776
0,659	0,659	0,659	0,659
0,423	0,423	0,423	0,423

2085	2090	2095	2100
556571	549179	541293	532708
591332	583842	576455	568573
621790	613693	606210	598830
647428	639056	630971	623500
668605	661091	652733	644662

692989	687132	679632	671288
733784	729351	723507	716023
772653	768771	764354	758530
797763	792727	788871	784485
809812	802100	797132	793330
802846	795371	787865	783030
771723	769020	761903	754756
711213	712083	709602	703070
615445	615869	616618	614480
479851	479411	479739	480321
315898	317425	317135	317352
239232	235411	234440	233907
555129	552836	551576	551259
10828936	10751532	10668461	10578845

2085	2090	2095	2100
553602	545652	536999	527848

2085	2090	2095	2100
500000	500000	500000	500000

27616	27616	27616	27616
22937	22937	22937	22937
18248	18248	18248	18248
14791	14791	14791	14791
19720	19720	19720	19720
37960	37960	37960	37960
37705	37705	37705	37705
25612	25612	25612	25612
15489	15489	15489	15489
7350	7350	7350	7350
4868	4868	4868	4868
4094	4094	4094	4094
3549	3549	3549	3549
2205	2205	2205	2205
1578	1578	1578	1578
737	737	737	737
632	632	632	632
245090	245090	245090	245090

2085	2090	2095	2100
549780	541885	533291	524204
584187	576795	568909	560324
614269	606780	599392	591510
640038	631941	624458	617078
662219	653847	645762	638291
688325	680811	672453	664382
730950	725093	717592	709248
771489	767056	761212	753728
798266	794383	789966	784143
813252	808215	804360	799973

MainM

817162	809450	804483	800680
807714	800240	792733	787898
775817	773113	765997	758850
714762	715632	713150	706618
617650	618073	618823	616685
481428	480988	481317	481899
316635	318162	317872	318089
239863	236043	235072	234539
556498	554205	552944	552628
11623806	11538507	11446842	11348139

	A	B	C	D	E	F	G	H
1	Population Projections (Females)							
2	Table 1: Age Distribution of Base Population and Migration							
3	Age	Base Population		Age Distribution				
4		Year:	2000	of Net Migration				
5			Females	in the Base Year				
6					Females			
7		Australia		(proportions)				
8	0- 4		615080		0,05167			
9	5- 9		649857		0,04255			
10	10-14		645961		0,03343			
11	15-19		661233		0,03495			
12	20-24		657844		0,05522			
13	25-29		732733		0,08764			
14	30-34		707708		0,07244			
15	35-39		747386		0,04508			
16	40-44		723784		0,02634			
17	45-49		673489		0,01368			
18	50-54		615951		0,01064			
19	55-59		472509		0,01013			
20	60-64		389123		0,00912			
21	65-69		344566		0,00567			
22	70-74		331067		0,00426			
23	75-79		285198		0,00213			
24	80-84		185698		0,00213	(80+)		
25	85+		182169		0,50708	(Total)		
26	Total		9621356		1,00000	(Grand total, including males)		
27								
28	Table 2: Survival Ratios (Females): Proportion surviving to next higher age group after 5 y							
29	Year:	2000	2005	2010	2015	2020	2025	2030
30	Births	0,996	0,996	0,996	0,996	0,996	0,996	0,996
31	0- 4	0,999	0,999	0,999	0,999	0,999	0,999	0,999
32	5- 9	1,000	1,000	1,000	1,000	1,000	1,000	1,000
33	10-14	1,000	1,000	1,000	1,000	1,000	1,000	1,000
34	15-19	1,000	1,000	1,000	1,000	1,000	1,000	1,000
35	20-24	0,999	0,999	0,999	0,999	0,999	0,999	0,999
36	25-29	0,999	0,999	0,999	0,999	0,999	0,999	0,999
37	30-34	0,999	0,999	0,999	0,999	0,999	0,999	0,999
38	35-39	0,997	0,997	0,997	0,997	0,997	0,997	0,997
39	40-44	0,995	0,995	0,995	0,995	0,995	0,995	0,995
40	45-49	0,991	0,991	0,991	0,991	0,991	0,991	0,991
41	50-54	0,984	0,984	0,984	0,984	0,984	0,984	0,984
42	55-59	0,973	0,973	0,973	0,973	0,973	0,973	0,973
43	60-64	0,949	0,949	0,949	0,949	0,949	0,949	0,949
44	65-69	0,904	0,904	0,904	0,904	0,904	0,904	0,904
45								
46								
47								
48								
49								
50								
51								
52								
53								
54								
55								

	A	B	C	D	E	F	G	H
59	40-44		745497	741012	808879	761379	781814	783057
60	45-49		720175	764181	759718	827247	779984	800317
61	50-54		667351	726629	770235	765812	832726	785893
62	55-59		606194	663479	721819	764733	760381	826235
63	60-64		459594	594757	650477	707221	748963	744730
64	65-69		369378	441016	569320	622213	676078	715701
65	70-74		311518	337967	402734	518732	566551	615250
66	75-79		273325	259415	281251	334721	430489	469967
67	80-84		203258	196180	186267	201829	239937	308190
68	85+		169391	172370	170482	165048	169712	189407
69	(80+)		372649	368550	356749	366878	409650	497597
70	Total		9192955	9601076	9998073	10365469	10682880	10934455

	A	B	C	D	E	F	G	H
71								
72	Table 4a: Age-Specific Fertility Rates per 1000							
73	5 Years to:	2000	2005	2010	2015	2020	2025	2030
74	TFR	1,70	1,69	1,68	1,67	1,66	1,65	1,64
75	Age (start of period)							
76	10-14	0,00	0,00	0,00	0,00	0,00	0,00	0,00
77	15-19	15,09	15,00	14,91	14,82	14,73	14,64	14,56
78	20-24	42,72	42,47	42,22	41,97	41,72	41,47	41,22
79	25-29	84,67	84,17	83,67	83,18	82,68	82,18	81,68
80	30-34	116,25	115,56	114,88	114,20	113,51	112,83	112,15
81	35-39	66,49	66,10	65,71	65,32	64,93	64,54	64,14
82	40-44	14,33	14,25	14,16	14,08	14,00	13,91	13,83
83	45-49	0,45	0,44	0,44	0,44	0,44	0,43	0,43
84	Total	340,00	338,00	336,00	334,00	332,00	330,00	328,00
85	TFR	1,70	1,69	1,68	1,67	1,66	1,65	1,64
86								
87	Table 4b: Projected Total Births							
88	5 Years to:		2005	2010	2015	2020	2025	2030
89	Age (start of period)							
90	10-14		0	0	0	0	0	0
91	15-19		49782	50468	50756	49334	48409	48236
92	20-24		142294	143769	145671	146456	142426	139799
93	25-29		299248	291734	294558	298224	299691	291679
94	30-34		429824	433277	422867	426554	431388	433223
95	35-39		246999	255976	257857	251867	253881	256546
96	40-44		53293	54396	56303	56694	55402	55821
97	45-49		1565	1670	1704	1762	1774	1734
98	Total		1223006	1231289	1229716	1230891	1232972	1227038
99	Male Births		626418	630660	629855	630456	631522	628483
100	Female Births		596588	600629	599862	600435	601450	598555
101								
102	Table 4c: Estimated Female Births - Age-Specific Fertility Rates per 1000							
103	5 Years to:	2000	2005	2010	2015	2020	2025	2030
104	GRR	0,83	0,82	0,82	0,81	0,81	0,80	0,80
105	Age (start of period)							
106	10-14	0,00	0,00	0,00	0,00	0,00	0,00	0,00
107	15-19	7,36	7,32	7,27	7,23	7,19	7,14	7,10
108	20-24	20,84	20,72	20,60	20,47	20,35	20,23	20,11
109	25-29	41,30	41,06	40,82	40,57	40,33	40,09	39,85
110	30-34	56,71	56,37	56,04	55,71	55,37	55,04	54,71
111	35-39	32,43	32,24	32,05	31,86	31,67	31,48	31,29
112	40-44	6,99	6,95	6,91	6,87	6,83	6,79	6,75
113	45-49	0,22	0,22	0,22	0,21	0,21	0,21	0,21
114	Total	165,85	164,88	163,90	162,93	161,95	160,98	160,00
115								
116								
117								
118								
119								
120								
121								
122								
123								
124								
125								
126								

	A	B	C	D	E	F	G	H
129	NR	0,82312	0,81828	0,81344	0,80860	0,80376	0,79891	0,79407
130								
131	Table 5: Net Migration (Females) [Survival ratios not applied to net migration losses]							
132	5 Years To:		2005	2010	2015	2020	2025	2030
133	Volume (annual *5):		500000	500000	500000	500000	500000	500000
134	Age (end of period)							
135	5- 9		25828	25828	25828	25828	25828	25828
136	10-14		21274	21274	21274	21274	21274	21274
137	15-19		16714	16714	16714	16714	16714	16714
138	20-24		17473	17473	17473	17473	17473	17473
139	25-29		27599	27599	27599	27599	27599	27599
140	30-34		43798	43798	43798	43798	43798	43798
141	35-39		36194	36194	36194	36194	36194	36194
142	40-44		22514	22514	22514	22514	22514	22514
143	45-49		13138	13138	13138	13138	13138	13138
144	50-54		6808	6808	6808	6808	6808	6808
145	55-59		5277	5277	5277	5277	5277	5277
146	60-64		4996	4996	4996	4996	4996	4996
147	65-69		4443	4443	4443	4443	4443	4443
148	70-74		2701	2701	2701	2701	2701	2701
149	75-79		1942	1942	1942	1942	1942	1942
150	80-84		911	911	911	911	911	911
151	85+		777	777	777	777	777	777
152	Total		252386	252386	252386	252386	252386	252386
153	Note: Arrivals aged 0-4 at the end of the period are calculated as births to migrants.							
154								
155	Table 6: Population Projections							
156	Year:	2000	2005	2010	2015	2020	2025	2030
157		Base						
158	0- 4	615080	594006	598030	597266	597836	598847	595965
159	5- 9	649857	640557	619496	623516	622753	623323	624333
160	10-14	645961	670987	661689	640632	644652	643889	644459
161	15-19	661233	662484	687502	678207	657157	661175	660413
162	20-24	657844	678393	679643	704650	695359	674319	678336
163	25-29	732733	684999	705535	706784	731774	722490	701463
164	30-34	707708	775845	728156	748672	749920	774887	765611
165	35-39	747386	742889	810929	763308	783795	785041	809972
166	40-44	723784	768011	763526	831393	783893	804328	805571
167	45-49	673489	733313	777319	772856	840385	793122	813455
168	50-54	615951	674158	733437	777042	772620	839533	792701
169	55-59	472509	611471	668756	727095	770010	765658	831511
170	60-64	389123	464590	599754	655473	712218	753959	749726
171	65-69	344566	373821	445459	573764	626656	680521	720145
172	70-74	331067	314218	340668	405434	521433	569252	617951
173								
174								
175								
176								
177								
178								

	A	B	C	D	E	F	G	H
179	Table 7: Projected Total Deaths (at end of 5 year periods)							
180	Year:	2000	2005	2010	2015	2020	2025	2030
181								
182	Female deaths fm P ₀	428401	438271	453419	482256	532811	599657	
183	Male deaths from P ₀	393587	433819	475235	522785	582936	649614	
184	Total migrant deaths	2524	2524	2524	2524	2524	2524	2524
185	Deaths of male births	4325	4354	4349	4353	4360	4339	
186	Deaths of female births	2582	2599	2596	2598	2603	2590	
187	Total deaths	831419	881567	938123	1014516	1125234	1258725	
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Subroutines, Menu Lists and Supplementary Data

Base Population (Screen 2)

[Cell link](#) 1

Menu List

User Data
 WORLD
 More developed regions
 Less developed regions
 Australia
 Brazil
 Canada
 China
 Egypt
 France
 Germany
 India
 Indonesia
 Italy
 Japan
 Mexico
 New Zealand
 Pakistan
 South Africa
 United Kingdom
 United States of America

Population by Age Group, Estimates 1 July 2000 (thousands)

Data Source: Population Division of the Department of Economic and Social Affairs of the United Nations : *World Population Prospects: The 2000 Revision, Vol. II, The Sex and Age Distribution of Populations*. New

	User Data	WORLD	More developed regions	Less developed regions	Australia	Brazil	Canada
	2000	2000	2000	2000	2000	2000	2000
Males							
0 - 4	648 079	314 951	33 821	281 129	648	8 145	920
5 - 9	686 626	308 936	37 045	271 891	687	8 201	1 043
10 - 14	680 974	308 291	40 805	267 486	681	8 603	1 052
15 - 19	694 906	284 064	41 503	242 561	695	8 803	1 055
20 - 24	687 850	259 681	41 399	218 283	688	8 293	1 048
25 - 29	744 625	254 793	43 028	211 765	745	7 248	1 064
30 - 34	705 902	240 367	43 973	196 394	706	6 731	1 150
35 - 39	747 925	215 845	46 411	169 434	748	6 400	1 360
40 - 44	722 355	188 028	45 369	142 659	722	5 364	1 308
45 - 49	669 867	167 175	42 197	124 978	670	4 428	1 156
50 - 54	631 748	133 585	38 271	95 314	632	3 437	1 022
55 - 59	486 876	103 940	29 875	74 065	487	2 574	776
60 - 64	391 367	90 513	28 504	62 009	391	2 118	618
65 - 69	328 670	71 795	23 394	48 400	329	1 526	552
70 - 74	293 793	52 911	19 659	33 251	294	1 141	459
75 - 79	215 844	32 197	12 938	19 259	216	679	336
80 - 84	116 528	15 431	6 523	8 908	117	321	187
85+	79 059	8 920	5 036	3 884	79	160	131
Total	#####	#####	579 750	#####	9 533	84 173	15 235

Females							
0 - 4	615 080	298 529	32 119	266 410	615	7 860	874
5 - 9	649 857	292 144	35 227	256 916	650	7 933	993
10 - 14	645 961	291 675	38 926	252 749	646	8 335	1 000
15 - 19	661 233	270 085	39 719	230 367	661	8 559	1 002
20 - 24	657 844	248 452	39 846	208 606	658	8 276	1 001
25 - 29	732 733	244 592	41 701	202 891	733	7 388	1 037
30 - 34	707 708	232 120	42 883	189 236	708	6 917	1 130
35 - 39	747 386	208 958	45 727	163 231	747	6 648	1 337
40 - 44	723 784	181 728	45 420	136 308	724	5 641	1 306
45 - 49	673 489	163 669	43 072	120 598	673	4 714	1 166
50 - 54	615 951	132 900	39 657	93 243	616	3 723	1 031
55 - 59	472 509	106 423	31 992	74 430	473	2 863	791
60 - 64	389 123	96 853	32 609	64 244	389	2 443	644
65 - 69	344 566	80 532	28 433	52 099	345	1 841	594
70 - 74	331 067	65 581	27 248	38 333	331	1 454	548
75 - 79	285 198	46 158	21 677	24 481	285	920	473
80 - 84	185 698	25 487	12 692	12 795	186	462	312
85+	182 169	20 974	13 908	7 066	182	271	312
Total	#####	#####	612 856	#####	9 621	86 249	15 551

Fertility: Age Pattern (Screen 3)

- 1 [Cell link: user/model data](#)
- 1 [Cell link: standard fertility high/low](#)
- 11 [Cell link for alpha](#)
- 10 [Cell link for beta](#)

Menu Lists

<u>Data</u>	<u>Standard</u>		<u>Alpha</u>	<u>Beta</u>
User Data	High	1	-1,00	0,10
Model Data	Low	2	-0,90	0,20
		3	-0,80	0,30
		4	-0,70	0,40
		5	-0,60	0,50
		6	-0,50	0,60
		7	-0,40	0,70
		8	-0,30	0,80
		9	-0,20	0,90
		10	-0,10	1,00
		11	0,00	1,10
		12	0,10	1,20
		13	0,20	1,30
		14	0,30	1,40
		15	0,40	1,50
		16	0,50	1,60
		17	0,60	1,70
		18	0,70	1,80
		19	0,80	1,90
		20	0,90	2,00
		21	1,00	2,10

Relational Fertility Model

Source: Newell (1988:175-178)

Standard Populations

Cumulative ASFRs	Gompertz Transf.	Low Fertility (base data)
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Age	High Fertility ¹	Low Fertility ²	High Fertility ¹	Low Fertility ²	ASFRs /million ²	Proportions
10	0,00000	0,00000			0	0,00000
11	0,00000	0,00000	-3,17091	-3,60662	0	0,00000
12	0,00000	0,00000	-2,74255	-3,58763	0	0,00000
13	0,00002	0,00000	-2,36854	-3,57635	0	0,00000
14	0,00045	0,00000	-2,04000	-3,56827	0	0,00000
15	0,00313	0,00000	-1,75210	-3,56195	0	0,00000
16	0,01168	0,00000	-1,49286	-2,50193	5	0,00000
17	0,03043	0,00011	-1,25061	-2,20795	107	0,00011
18	0,05826	0,00098	-1,04479	-1,93483	873	0,00087
19	0,09428	0,00533	-0,85927	-1,65529	4344	0,00434
20	0,13584	0,01903	-0,69130	-1,37664	13704	0,01370
21	0,18187	0,04710	-0,53325	-1,11691	28071	0,02807
22	0,22993	0,09251	-0,38524	-0,86730	45403	0,04540
23	0,27897	0,15420	-0,24423	-0,62569	61689	0,06169
24	0,32829	0,22788	-0,10783	-0,39131	73690	0,07369
25	0,37731	0,30939	0,02564	-0,15969	81508	0,08151
26	0,42597	0,39451	0,15853	0,07246	85122	0,08512
27	0,47371	0,47799	0,29147	0,30360	83481	0,08348
28	0,52013	0,55749	0,42515	0,53732	79497	0,07950
29	0,56517	0,63006	0,56101	0,77230	72565	0,07256
30	0,60861	0,69374	0,70000	1,00608	63690	0,06369
31	0,65016	0,74869	0,84272	1,23982	54942	0,05494
32	0,68968	0,79562	0,99014	1,47565	46936	0,04694
33	0,72722	0,83531	1,14407	1,71508	39690	0,03969
34	0,76275	0,86909	1,30627	1,96391	33778	0,03378
35	0,79618	0,89760	1,47872	2,22533	28509	0,02851
36	0,82751	0,92140	1,66426	2,50277	23804	0,02380
37	0,85663	0,94112	1,86597	2,80205	19717	0,01972
38	0,88354	0,95726	2,08894	3,13094	16144	0,01614
39	0,90816	0,97017	2,33992	3,49728	12911	0,01291
40	0,93019	0,98008	2,62602	3,90615	9909	0,00991
41	0,94925	0,98730	2,95500	4,35993	7219	0,00722
42	0,96480	0,99236	3,32873	4,87066	5059	0,00506
43	0,97698	0,99567	3,75984	5,44095	3313	0,00331
44	0,98591	0,99766	4,25499	6,05601	1985	0,00198
45	0,99188	0,99877	4,80970	6,70013	1111	0,00111
46	0,99555	0,99941	5,41311	7,43340	639	0,00064
47	0,99782	0,99977	6,12864	8,37732	361	0,00036
48	0,99915	0,99995	7,07022	9,92367	181	0,00018
49	0,99982	1,00000	8,64839	36,73680	49	0,00005
50	1,00000	1,00000			0	0,00000
Total					1000006	1,00000

Notes:

1 From Newell (1988: 177)

2 From Coale, Ansley J. and Trussell, T. James 1974. 'Model Fertility Schedules'. *Population Index*, 40 (2): 234 [mean = 29.0, stdev = 5, m = 2.052].

Fertility: Trend in TFRs (Screen 4)

Menu List for Data

1 [Cell link](#)
 User Data
 Model Data

Cell Links for Dialog Box

[Initial TFR](#) 1,70
[Intermediate TFR](#) 1,70
[Terminal TFR](#) 1,70

Menu List for TFRs

Cell links:

[8 year 0](#)
[8 year 50](#)
[8 year 100](#)

1	1,0
2	1,1
3	1,2
4	1,3
5	1,4
6	1,5
7	1,6
8	1,7
9	1,8
10	1,9
11	2,0
12	2,1
13	2,2
14	2,3
15	2,4
16	2,5
17	2,6
18	2,7
19	2,8
20	2,9
21	3,0
22	3,1
23	3,2
24	3,3
25	3,4
26	3,5
27	3,6
28	3,7
29	3,8
30	3,9
31	4,0
32	5,0
33	6,0
34	7,0
35	8,0
36	9,0
37	10,0
38	11,0
39	12,0
40	13,0
41	14,0
42	15,0

Second Order Polynomial Curve

Year		TFR	Predicted
x	x ²	y	y
1	1	1,70	1,70
11	121	1,70	1,70
21	441	1,70	1,70

Regression Coefficients

y=A+Bx+Cx ²			
C	B	A	
0	0	1,7	

Estimated TFRs

Year	Year		TFR
	Number		
	x	x ²	y
2000	1	1	1,70
2005	2	4	1,70
2010	3	9	1,70
2015	4	16	1,70
2020	5	25	1,70
2025	6	36	1,70
2030	7	49	1,70
2035	8	64	1,70
2040	9	81	1,70
2045	10	100	1,70
2050	11	121	1,70
2055	12	144	1,70
2060	13	169	1,70
2065	14	196	1,70
2070	15	225	1,70
2075	16	256	1,70
2080	17	289	1,70
2085	18	324	1,70
2090	19	361	1,70
2095	20	400	1,70
2100	21	441	1,70

Mortality: Age Pattern (Screen 5)**Menu List for Standard Population**Cell link [8](#)

- 1 User Data
- 2 West 13, e(0) F=50.00 M=47.08
- 3 West 15, e(0) F=55.00 M=51.82

- 4 West 17, e(0) F=60.00 M=56.46
- 5 West 19, e(0) F=65.00 M=61.22
- 6 West 21, e(0) F=70.00 M=66.03
- 7 West 23, e(0) F=75.00 M=71.20
- 8 West 25, e(0) F=80.00 M=76.65
- 9 Australia 1990-92, e(0) F=80.39 M=74.32
- 10 Australia 1995-97, e(0) F=81.37, M=75.69

Standard Populations (lx)

Males								
Age	User Data	1	2	3	4	5	6	7
	Males	West 13	West 15	West 17	West 19	West 21	West 23	
	lx	e(0)=47.082	e(0)=51.816	e(0)=56.460	e(0)=61.222	e(0)=66.030	e(0)=71.204	
0	100000	100000	100000	100000	100000	100000	100000	100000
1	0	85983	88804	91322	93666	95866	97838	
2	0	83631	87078	90125	92948	95556	97737	
3	0	81916	85806	89231	92398	95303	97647	
4	0	80695	84887	88573	91982	95100	97568	
5	0	79844	84235	88098	91672	94937	97499	
10	0	78191	82888	87051	90926	94480	97279	
15	0	77018	81915	86279	90361	94116	97093	
20	0	75321	80462	85083	89436	93469	96729	
25	0	72967	78437	83413	88144	92569	96228	
30	0	70468	76295	81660	86806	91657	95736	
35	0	67701	73916	79707	85314	90634	95186	
40	0	64545	71147	77389	83499	89349	94466	
45	0	60814	67782	74472	81116	87541	93362	
50	0	56467	63673	70721	77842	84829	91493	
55	0	51118	58420	65721	73253	80773	88428	
60	0	44727	51862	59171	66886	74774	83419	
65	0	36893	43574	50616	58261	66307	75892	
70	0	27996	33807	40139	47235	54966	65041	
75	0	18584	23078	28167	34090	40810	50477	
80	0	9944	12820	16235	20400	25362	33323	
85	0	3852	5211	6926	9148	11968	17090	
90	0	883	1277	1816	2572	3616	5811	
95	0	90	142	222	345	536	1017	
100	0	3	5	8	14	26	61	

Females

Age	User Data	West 13	West 15	West 17	West 19	West 21	West 23
	Females	Females	Females	Females	Females	Females	Females
	lx	e(0)=50	e(0)=55	e(0)=60	e(0)=65	e(0)=70	e(0)=75
0	100000	100000	100000	100000	100000	100000	100000
1	0	88121	90606	92884	94965	96884	98470
2	0	85673	88875	91719	94293	96619	98391
3	0	83893	87602	90854	93787	96411	98326
4	0	82628	86686	90224	93411	96251	98273
5	0	81749	86037	89772	93134	96127	98230
10	0	79994	84674	88778	92487	95798	98103
15	0	78657	83635	88013	91986	95535	97999
20	0	76871	82170	86906	91224	95112	97823
25	0	74643	80292	85460	90202	94510	97573
30	0	72195	78199	83819	89016	93783	97256
35	0	69510	75885	81969	87652	92922	96850
40	0	66613	73338	79867	86039	91836	96282
45	0	63508	70523	77437	84067	90377	95423

50	0	60083	67284	74489	81508	88293	94023
55	0	55764	63104	70574	77989	85287	91868
60	0	50436	57790	65424	73174	80971	88546
65	0	43355	50569	58249	66272	74567	83369
70	0	34755	41405	48711	56604	65041	74943
75	0	24599	30140	36469	43594	51527	61970
80	0	14346	18226	22853	28319	34705	44204
85	0	6170	8228	10829	14104	18185	25145
90	0	1615	2305	3250	4544	6302	9814
95	0	192	301	467	722	1109	2044
100	0	7	12	21	36	64	149

Note: Single year values for ages 2-4 interpolated using formulas of Abramowitz and Stegun (Namboodiri, Sources: Coale and Demeny (1983); Coale and Guo (1990) [Level 27]; Australian Life Tables, 1990-92 an

Mortality Trend, Males (Screen 6)

Menu Lists and Links

	Alpha	Beta	Intermediate Year	
Year 0	51	26		
Year x	51	26		
Year 100	51	26	Cell link	10
1	1,00	0,50		5
2	0,98	0,52		10
3	0,96	0,54		15
4	0,94	0,56		20
5	0,92	0,58		25
6	0,90	0,60		30
7	0,88	0,62		35
8	0,86	0,64		40
9	0,84	0,66		45
10	0,82	0,68		50
11	0,80	0,70		55
12	0,78	0,72		60
13	0,76	0,74		65
14	0,74	0,76		70
15	0,72	0,78		75
16	0,70	0,80		80
17	0,68	0,82		85
18	0,66	0,84		90
19	0,64	0,86		95
20	0,62	0,88		
21	0,60	0,90		
22	0,58	0,92		
23	0,56	0,94		
24	0,54	0,96		
25	0,52	0,98		
26	0,50	1,00		
27	0,48	1,02		
28	0,46	1,04		
29	0,44	1,06		
30	0,42	1,08		
31	0,40	1,10		
32	0,38	1,12		
33	0,36	1,14		
34	0,34	1,16		

Selected Standard Life Table

Age	lx	logits
0	1,00000	
1	0,99289	-2,4696
2	0,99277	-2,4613
3	0,99263	-2,4512
4	0,99247	-2,4405
5	0,99231	-2,4301
10	0,99171	-2,3922
15	0,99114	-2,3587
20	0,98985	-2,2900
25	0,98810	-2,2096
30	0,98648	-2,1450
35	0,98468	-2,0816
40	0,98217	-2,0044
45	0,97775	-1,8915
50	0,96857	-1,7140
55	0,95106	-1,4835
60	0,91738	-1,2036
65	0,86155	-0,9141
70	0,77124	-0,6077
75	0,63564	-0,2782
80	0,45636	0,0875
85	0,26364	0,5136
90	0,10640	1,0640
95	0,02373	1,8585
100	0,00199	3,1088

Calculate Life Tables for Each Step i Fit Curve to Alpha and Beta Coefficient

Year	Alpha
y1	
Initial	0,00
Intermediate	0,00
Final	0,00

Life Tables (Relational Models)

Values of alpha and beta for intermediate

Year (x)	1	2
Alpha	0,00	0,00

35	0,32	1,18	Beta	1,00	1,00
36	0,30	1,20	Labels	Year 0	
37	0,28	1,22			
38	0,26	1,24	Logits of estimated lx values		
39	0,24	1,26	Age		
40	0,22	1,28	0		
41	0,20	1,30	1	-2,5	-2,5
42	0,18	1,32	2	-2,5	-2,5
43	0,16	1,34	3	-2,5	-2,5
44	0,14	1,36	4	-2,4	-2,4
45	0,12	1,38	5	-2,4	-2,4
46	0,10	1,40	10	-2,4	-2,4
47	0,08	1,42	15	-2,4	-2,4
48	0,06	1,44	20	-2,3	-2,3
49	0,04	1,46	25	-2,2	-2,2
50	0,02	1,48	30	-2,1	-2,1
51	0,00	1,50	35	-2,1	-2,1
52	-0,02		40	-2,0	-2,0
53	-0,04		45	-1,9	-1,9
54	-0,06		50	-1,7	-1,7
55	-0,08		55	-1,5	-1,5
56	-0,10		60	-1,2	-1,2
57	-0,12		65	-0,9	-0,9
58	-0,14		70	-0,6	-0,6
59	-0,16		75	-0,3	-0,3
60	-0,18		80	0,1	0,1
61	-0,20		85	0,5	0,5
62	-0,22		90	1,1	1,1
63	-0,24		95	1,9	1,9
64	-0,26		100	3,1	3,1
65	-0,28				
66	-0,30		Age	lx (antilogits)	
67	-0,32		Single year data		
68	-0,34		0	100000	100000
69	-0,36		1	99289	99289
70	-0,38		2	99277	99277
71	-0,40		3	99263	99263
72	-0,42		4	99247	99247
73	-0,44		Five year data		
74	-0,46		Year 0		
75	-0,48		0	100000	100000
76	-0,50		5	99231	99231
77	-0,52		10	99171	99171
78	-0,54		15	99114	99114
79	-0,56		20	98985	98985
80	-0,58		25	98810	98810
81	-0,60		30	98648	98648
82	-0,62		35	98468	98468
83	-0,64		40	98217	98217
84	-0,66		45	97775	97775
85	-0,68		50	96857	96857
86	-0,70		55	95106	95106
87	-0,72		60	91738	91738
88	-0,74		65	86155	86155
89	-0,76		70	77124	77124
90	-0,78		75	63564	63564

91	-0,80	80	45636	45636
92	-0,82	85	26364	26364
93	-0,84	90	10640	10640
94	-0,86	95	2373	2373
95	-0,88	100	199	199
96	-0,90			
97	-0,92	Age	dx	dx
98	-0,94	Single year data		
99	-0,96	0	711	711
100	-0,98	1	12	12
101	-1,00	2	15	15
102	-1,02	3	16	16
103	-1,04	4	16	16
104	-1,06	Five year data		
105	-1,08	0	769	769
106	-1,10	5	60	60
107	-1,12	10	57	57
108	-1,14	15	129	129
109	-1,16	20	175	175
110	-1,18	25	162	162
111	-1,20	30	180	180
112	-1,22	35	251	251
113	-1,24	40	442	442
114	-1,26	45	918	918
115	-1,28	50	1751	1751
116	-1,30	55	3368	3368
117	-1,32	60	5583	5583
118	-1,34	65	9031	9031
119	-1,36	70	13560	13560
120	-1,38	75	17928	17928
121	-1,40	80	19272	19272
122	-1,42	85	15724	15724
123	-1,44	90	8267	8267
124	-1,46	95	2174	2174
125	-1,48	100	199	199
126	-1,50		100000	100000

	Age	qx	qx
	Single year data		
	0	0,00711	0,00711
	1	0,00012	0,00012
	2	0,00015	0,00015
	3	0,00016	0,00016
	4	0,00016	0,00016
	Five year data		
	0	0,00769	0,00769
	5	0,00060	0,00060
	10	0,00057	0,00057
	15	0,00130	0,00130
	20	0,00177	0,00177
	25	0,00164	0,00164
	30	0,00182	0,00182
	35	0,00255	0,00255
	40	0,00450	0,00450
	45	0,00939	0,00939
	50	0,01808	0,01808

55	0,03541	0,03541
60	0,06086	0,06086
65	0,10482	0,10482
70	0,17582	0,17582
75	0,28205	0,28205
80	0,42230	0,42230
85	0,59642	0,59642
90	0,77697	0,77697
95	0,91614	0,91614
100	1,00000	1,00000

Age	Lx	Lx
Single year data		
0	99502	99502
1	99282	99282
2	99270	99270
3	99255	99255
4	99239	99239
Five year data		
0	496548	496548
5	496005	496005
10	495713	495713
15	495248	495248
20	494488	494488
25	493645	493645
30	492790	492790
35	491713	491713
40	489980	489980
45	486580	486580
50	479908	479908
55	467110	467110
60	444733	444733
65	408198	408198
70	351720	351720
75	273000	273000
80	180000	180000
85	92510	92510
90	32533	32533
95	6430	6430
100	498	498

Age	Tx	Tx
0	7669345	7669345
5	7172798	7172798
10	6676793	6676793
15	6181080	6181080
20	5685833	5685833
25	5191345	5191345
30	4697700	4697700
35	4204910	4204910
40	3713198	3713198
45	3223218	3223218
50	2736638	2736638
55	2256730	2256730
60	1789620	1789620

65	1344888	1344888
70	936690	936690
75	584970	584970
80	311970	311970
85	131970	131970
90	39460	39460
95	6928	6928
100	498	498

Age	ex	ex
Year:	2000	2005
0	76,69	76,69
5	72,28	72,28
10	67,33	67,33
15	62,36	62,36
20	57,44	57,44
25	52,54	52,54
30	47,62	47,62
35	42,70	42,70
40	37,81	37,81
45	32,97	32,97
50	28,25	28,25
55	23,73	23,73
60	19,51	19,51
65	15,61	15,61
70	12,15	12,15
75	9,20	9,20
80	6,84	6,84
85	5,01	5,01
90	3,71	3,71
95	2,92	2,92
100	2,50	2,50

Mortality Trend, Females (Screen 7)

Menu Lists and Links

	<u>Alpha</u>	<u>Beta</u>	<u>Intermediate Year</u>	
Year 0	51	26		
Year x	51	26		
Year 100	51	26	Cell link	10
1	1,00	0,50		
2	0,98	0,52	5	
3	0,96	0,54	10	
4	0,94	0,56	15	
5	0,92	0,58	20	
6	0,90	0,60	25	
7	0,88	0,62	30	
8	0,86	0,64	35	
9	0,84	0,66	40	
10	0,82	0,68	45	
11	0,80	0,70	50	
12	0,78	0,72	55	
13	0,76	0,74	60	
14	0,74	0,76	65	
15	0,72	0,78	70	

Selected Standard Life Table

Age	lx	logits
0	1,0000	
1	0,9956	-2,7052
2	0,9955	-2,6942
3	0,9954	-2,6846
4	0,9953	-2,6764
5	0,9952	-2,6693
10	0,9950	-2,6456
15	0,9948	-2,6250
20	0,9944	-2,5897
25	0,9938	-2,5417
30	0,9931	-2,4817
35	0,9920	-2,4089
40	0,9902	-2,3088
45	0,9870	-2,1637
50	0,9804	-1,9552
55	0,9690	-1,7218
60	0,9495	-1,4668
65	0,9166	-1,1985
70	0,8548	-0,8863

16	0,70	0,80
17	0,68	0,82
18	0,66	0,84
19	0,64	0,86
20	0,62	0,88
21	0,60	0,90
22	0,58	0,92
23	0,56	0,94
24	0,54	0,96
25	0,52	0,98
26	0,50	1,00
27	0,48	1,02
28	0,46	1,04
29	0,44	1,06
30	0,42	1,08
31	0,40	1,10
32	0,38	1,12
33	0,36	1,14
34	0,34	1,16
35	0,32	1,18
36	0,30	1,20
37	0,28	1,22
38	0,26	1,24
39	0,24	1,26
40	0,22	1,28
41	0,20	1,30
42	0,18	1,32
43	0,16	1,34
44	0,14	1,36
45	0,12	1,38
46	0,10	1,40
47	0,08	1,42
48	0,06	1,44
49	0,04	1,46
50	0,02	1,48
51	0,00	1,50
52	-0,02	
53	-0,04	
54	-0,06	
55	-0,08	
56	-0,10	
57	-0,12	
58	-0,14	
59	-0,16	
60	-0,18	
61	-0,20	
62	-0,22	
63	-0,24	
64	-0,26	
65	-0,28	
66	-0,30	
67	-0,32	
68	-0,34	
69	-0,36	
70	-0,38	
71	-0,40	

75	0,7467	-0,5405
80	0,5755	-0,1521
85	0,3668	0,2729
90	0,1693	0,7954
95	0,0448	1,5294
100	0,0046	2,6907

Calculate Life Tables for Each Step i
Fit Curve to Alpha and Beta Coefficient

Year	Alpha
	y1
Initial	0,00
Intermediate	0,00
Final	0,00

Life Tables (Relational Models)

Values of alpha and beta for intermediate

Year (x)	1	2
Alpha	0,00	0,00
Beta	1,00	1,00
Labels	Year 0	

Logits of estimated l_x values

Age		
0		
1	-2,7	-2,7
2	-2,7	-2,7
3	-2,7	-2,7
4	-2,7	-2,7
5	-2,7	-2,7
10	-2,6	-2,6
15	-2,6	-2,6
20	-2,6	-2,6
25	-2,5	-2,5
30	-2,5	-2,5
35	-2,4	-2,4
40	-2,3	-2,3
45	-2,2	-2,2
50	-2,0	-2,0
55	-1,7	-1,7
60	-1,5	-1,5
65	-1,2	-1,2
70	-0,9	-0,9
75	-0,5	-0,5
80	-0,2	-0,2
85	0,3	0,3
90	0,8	0,8
95	1,5	1,5
100	2,7	2,7

Age l_x (antilogits)

Single year data

0	100000	100000
1	99555	99555
2	99545	99545
3	99536	99536

72	-0,42	4	99529	99529
73	-0,44	Five year data		
74	-0,46	Year 0		
75	-0,48	0	100000	100000
76	-0,50	5	99522	99522
77	-0,52	10	99499	99499
78	-0,54	15	99478	99478
79	-0,56	20	99440	99440
80	-0,58	25	99384	99384
81	-0,60	30	99306	99306
82	-0,62	35	99198	99198
83	-0,64	40	99022	99022
84	-0,66	45	98697	98697
85	-0,68	50	98036	98036
86	-0,70	55	96904	96904
87	-0,72	60	94948	94948
88	-0,74	65	91660	91660
89	-0,76	70	85479	85479
90	-0,78	75	74670	74670
91	-0,80	80	57547	57547
92	-0,82	85	36683	36683
93	-0,84	90	16927	16927
94	-0,86	95	4484	4484
95	-0,88	100	458	458
96	-0,90			
97	-0,92	Age	dx	dx
98	-0,94	Single year data		
99	-0,96	0	445	445
100	-0,98	1	10	10
101	-1,00	2	9	9
102	-1,02	3	8	8
103	-1,04	4	7	7
104	-1,06	Five year data		
105	-1,08	0	478	478
106	-1,10	5	23	23
107	-1,12	10	21	21
108	-1,14	15	38	38
109	-1,16	20	56	56
110	-1,18	25	78	78
111	-1,20	30	108	108
112	-1,22	35	176	176
113	-1,24	40	325	325
114	-1,26	45	661	661
115	-1,28	50	1132	1132
116	-1,30	55	1956	1956
117	-1,32	60	3288	3288
118	-1,34	65	6181	6181
119	-1,36	70	10809	10809
120	-1,38	75	17123	17123
121	-1,40	80	20864	20864
122	-1,42	85	19756	19756
123	-1,44	90	12443	12443
124	-1,46	95	4026	4026
125	-1,48	100	458	458
126	-1,50		100000	100000

Age	qx	qx
Single year data		
0	0,00445	0,00445
1	0,00010	0,00010
2	0,00009	0,00009
3	0,00008	0,00008
4	0,00007	0,00007
Five year data		
0	0,00478	0,00478
5	0,00023	0,00023
10	0,00021	0,00021
15	0,00038	0,00038
20	0,00056	0,00056
25	0,00078	0,00078
30	0,00109	0,00109
35	0,00177	0,00177
40	0,00328	0,00328
45	0,00670	0,00670
50	0,01155	0,01155
55	0,02018	0,02018
60	0,03463	0,03463
65	0,06743	0,06743
70	0,12645	0,12645
75	0,22932	0,22932
80	0,36256	0,36256
85	0,53856	0,53856
90	0,73510	0,73510
95	0,89786	0,89786
100	1,00000	1,00000

Age	Lx	Lx
Single year data		
0	99689	99689
1	99549	99549
2	99541	99541
3	99533	99533
4	99525	99525
Five year data		
0	497836	497836
5	497553	497553
10	497443	497443
15	497295	497295
20	497060	497060
25	496725	496725
30	496260	496260
35	495550	495550
40	494298	494298
45	491833	491833
50	487350	487350
55	479630	479630
60	466520	466520
65	442848	442848
70	400373	400373
75	330543	330543
80	235575	235575
85	134025	134025

90	53528	53528
95	12355	12355
100	1145	1145

Age	Tx	Tx
0	8005741	8005741
5	7507905	7507905
10	7010353	7010353
15	6512910	6512910
20	6015615	6015615
25	5518555	5518555
30	5021830	5021830
35	4525570	4525570
40	4030020	4030020
45	3535723	3535723
50	3043890	3043890
55	2556540	2556540
60	2076910	2076910
65	1610390	1610390
70	1167543	1167543
75	767170	767170
80	436628	436628
85	201053	201053
90	67028	67028
95	13500	13500
100	1145	1145

Age	ex	ex
Year:	2000	2005
0	80,06	80,06
5	75,44	75,44
10	70,46	70,46
15	65,47	65,47
20	60,49	60,49
25	55,53	55,53
30	50,57	50,57
35	45,62	45,62
40	40,70	40,70
45	35,82	35,82
50	31,05	31,05
55	26,38	26,38
60	21,87	21,87
65	17,57	17,57
70	13,66	13,66
75	10,27	10,27
80	7,59	7,59
85	5,48	5,48
90	3,96	3,96
95	3,01	3,01
100	2,50	2,50

Net Migration: Age Structure (Screen 8)

Menu List and Link for Base Populations

[Cell link](#) 1

User Data
 Triangular
 Rectangular
 Bimodal
 Unimodal

Data for Hypothetical Base Populations

Age Group	Lx Values (Females)				Multipliers		Triangular West e50
	Triangular West e50	Rectangular West e70	Bimodal	Unimodal	Multipliers bimodal	Multipliers Unimodal;	
0- 4	427946	482953	1069865	427946	2,5	1,0	8,6
5- 9	403919	479731	807838	403919	2,0	1,0	8,1
10-14	396763	478360	396763	396763	1,0	1,0	7,9
15-19	389000	476661	389000	778000	1,0	2,0	7,8
20-24	379009	474115	758018	1895045	2,0	5,0	7,6
25-29	367341	470805	1469364	734682	4,0	2,0	7,3
30-34	354531	466850	1418124	531797	4,0	1,5	7,1
35-39	340596	462004	681192	340596	2,0	1,0	6,8
40-44	325613	455679	325613	325613	1,0	1,0	6,5
45-49	309320	446884	309320	309320	1,0	1,0	6,2
50-54	290048	434250	290048	290048	1,0	1,0	5,8
55-59	266031	416077	266031	266031	1,0	1,0	5,3
60-64	235184	389485	235184	235184	1,0	1,0	4,7
65-69	196135	349971	196135	196135	1,0	1,0	3,9
70-74	149400	292772	149400	149400	1,0	1,0	3,0
75-79	97363	215582	97363	97363	1,0	1,0	1,9
80+	71802	207820	71802	71802	1,0	1,0	1,4
Total	5000001	6999999	8931060	7449643,5			100,0

Age Structure of Net Migration

Males

	User Defined	Triangular	Rectangular	Bimodal	Unimodal
0- 4	5,5	4,3	3,4	6,0	2,9
5- 9	4,6	4,0	3,4	4,5	2,7
10-14	3,7	4,0	3,4	2,2	2,7
15-19	3,0	3,9	3,4	2,2	5,2
20-24	3,9	3,8	3,4	4,2	12,7
25-29	7,6	3,7	3,4	8,2	4,9
30-34	7,5	3,5	3,3	7,9	3,6
35-39	5,1	3,4	3,3	3,8	2,3
40-44	3,1	3,3	3,3	1,8	2,2
45-49	1,5	3,1	3,2	1,7	2,1
50-54	1,0	2,9	3,1	1,6	1,9
55-59	0,8	2,7	3,0	1,5	1,8
60-64	0,7	2,4	2,8	1,3	1,6
65-69	0,5	2,0	2,5	1,1	1,3
70-74	0,4	1,5	2,1	0,8	1,0
75-79	0,2	1,0	1,5	0,5	0,7
80+	0,2	0,7	1,5	0,4	0,5
Total	49,3	50,0	50,0	50,0	50,0

Females

0- 4
5- 9
10-14
15-19
20-24
25-29
30-34
35-39
40-44
45-49
50-54
55-59
60-64
65-69
70-74
75-79
80+
Total

Net Migration Trend (Screen 9)

[Cell link](#)

2

Menu List and Link for Data

User Data

Model Data

Menu List and Links for Volume of Net Migration

Initial Net Mig.	5	Year	1
Intermediate Net Mig.	5	Year	11
Final Net Mig.	5	Year	21

- 1 000
- 5 000
- 10 000
- 50 000
- 100 000
- 150 000
- 200 000
- 250 000
- 500 000
- 750 000
- #####

Second Order Polynomial Curve

Year		Net Mig.	Predicted
x	x^2	y	Net Mig.
		y	y
1	1	100000	100000
11	121	100000	100000
21	441	100000	100000

Regression Coefficients

y=A+Bx+Cx^2		
C	B	A
0	0	100000

Estimated Net Migration

Year	Year Number		Net Mig
	x	x^2	y
2000	1	1	100000
2005	2	4	100000
2010	3	9	100000
2015	4	16	100000
2020	5	25	100000
2025	6	36	100000
2030	7	49	100000
2035	8	64	100000
2040	9	81	100000
2045	10	100	100000
2050	11	121	100000
2055	12	144	100000
2060	13	169	100000
2065	14	196	100000
2070	15	225	100000
2075	16	256	100000
2080	17	289	100000
2085	18	324	100000
2090	19	361	100000
2095	20	400	100000
2100	21	441	100000

Projected Age Distributions (Screen 10)

Cell Links:		1		5	
Place:	Australia 2000 (shaded) & 2020			Australia	
Year:	2000		2020		
	Males	Females	Males	Females	
0- 4	-648079	615080	-626103	597836	
5- 9	-686626	649857	-652438	622753	
10-14	-680974	645961	-675789	644652	
15-19	-694906	661233	-689201	657157	
20-24	-687850	657844	-728813	695359	
25-29	-744625	732733	-758875	731774	
30-34	-705902	707708	-767503	749920	
35-39	-747925	747386	-799879	783795	
40-44	-722355	723784	-802082	783893	
45-49	-669867	673489	-849685	840385	
50-54	-631748	615951	-771961	772620	
55-59	-486876	472509	-761812	770010	
60-64	-391367	389123	-685346	712218	
65-69	-328670	344566	-579771	626656	
70-74	-293793	331067	-475168	521433	
75-79	-215844	285198	-292727	336664	
80-84	-116528	185698	-162871	202740	
85+	-79059	182169	-107914	165825	
Total	-9532994	9621356	-11187937	11215691	
GT	19154350		22403628		

Projected Trends (Screen 11)

Year	Numbers	Growth Rate %	Average Ann. Inc.
2000	#####		
2005	#####	0,91	178317
2010	#####	0,83	169944
2015	#####	0,75	158319
2020	#####	0,65	143275
2025	#####	0,54	121548
2030	#####	0,40	93663
2035	#####	0,27	63324
2040	#####	0,16	39240
2045	#####	0,09	20499
2050	#####	0,03	6727
2055	#####	-0,01	-2666
2060	#####	-0,05	-11660
2065	#####	-0,07	-16445
2070	#####	-0,09	-22298
2075	#####	-0,11	-26961
2080	#####	-0,13	-30690
2085	#####	-0,14	-32269
2090	#####	-0,14	-33471
2095	#####	-0,16	-36033
2100	#####	-0,17	-38876

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China	Egypt	France	Germany	India	Indonesia	Italy	Japan	Mexico
2000	2000	2000	2000	2000	2000	2000	2000	2000
50 900	4 096	1 862	1 965	60 014	11 094	1 350	3 159	5 705
54 046	3 989	1 850	2 149	58 612	11 015	1 428	3 072	5 606
61 782	4 193	1 966	2 434	56 056	11 067	1 442	3 352	5 406
52 408	3 879	1 999	2 363	52 488	10 924	1 560	3 839	5 110
50 682	3 228	1 943	2 301	46 398	10 491	1 851	4 402	4 896
62 004	2 681	2 138	2 591	43 918	9 623	2 255	5 052	4 598
64 481	2 472	2 140	3 564	39 639	8 826	2 370	4 457	3 737
53 589	2 170	2 174	3 743	35 083	7 358	2 294	4 109	3 056
43 568	2 010	2 118	3 258	30 420	6 463	2 012	3 928	2 582
44 051	1 678	2 095	2 885	25 060	5 075	1 869	4 482	2 098
32 353	1 201	2 050	2 428	19 826	3 768	1 935	5 231	1 661
24 275	842	1 382	2 584	16 006	3 281	1 630	4 291	1 335
21 336	691	1 299	2 750	13 040	2 783	1 641	3 728	1 033
17 495	533	1 252	1 921	10 077	2 062	1 432	3 347	801
11 889	358	1 072	1 511	6 888	1 367	1 207	2 652	573
6 798	211	835	935	4 038	736	893	1 591	391
2 980	98	340	395	1 931	323	386	896	197
1 084	33	355	390	838	126	361	649	150
655 719	34 364	28 872	40 165	520 332	#####	27 915	62 237	48 935

45 712	3 915	1 771	1 861	56 384	10 688	1 271	2 993	5 463
48 443	3 812	1 768	2 031	54 726	10 643	1 352	2 926	5 381
55 955	3 999	1 879	2 299	52 128	10 724	1 374	3 192	5 209
48 352	3 662	1 910	2 234	48 476	10 640	1 493	3 664	5 005
47 504	3 030	1 868	2 163	42 746	10 213	1 782	4 195	4 944
58 914	2 506	2 097	2 442	39 848	9 386	2 184	4 872	4 746
61 897	2 329	2 128	3 309	35 984	8 595	2 326	4 346	3 966
50 994	2 068	2 195	3 489	31 935	7 163	2 284	4 014	3 266
40 251	1 970	2 160	3 078	27 744	6 296	2 020	3 869	2 777
41 660	1 699	2 128	2 814	23 125	4 956	1 897	4 456	2 257
29 942	1 257	2 055	2 379	19 212	4 015	1 985	5 241	1 781
22 472	915	1 401	2 586	16 258	3 643	1 721	4 438	1 445
20 135	785	1 399	2 866	13 716	3 140	1 807	3 964	1 140
17 566	643	1 466	2 161	10 813	2 411	1 687	3 740	907
13 185	461	1 397	2 053	7 554	1 637	1 567	3 221	683
8 969	282	1 258	1 896	4 616	918	1 361	2 503	497
4 846	136	606	975	2 332	447	697	1 692	264
2 756	53	968	1 302	1 055	200	861	1 665	235
619 553	33 521	30 454	41 938	488 652	#####	29 671	64 990	49 963

Alpha:	0,00
Beta:	1,00
Standard	High

Estimated Values

Cumulative ASFRS ASFRs

Summary (%)

Age User Model

Age	Standard 'Gompits'	Fitted 'Gompits'	Anti- 'Gompits'	Proportions	Defined Data	Data
10			0,00000	0,00000	10-14	0,00 0,05
11	-3,17091	-3,17091	0,00000	0,00000	15-19	4,44 9,38
12	-2,74255	-2,74255	0,00000	0,00002	20-24	12,57 23,40
13	-2,36854	-2,36854	0,00002	0,00228	25-29	24,90 23,69
14	-2,04000	-2,04000	0,00046	0,04341	30-34	34,19 19,76
15	-1,75210	-1,75210	0,00313	0,26730	35-39	19,56 14,54
16	-1,49286	-1,49286	0,01168	0,85508	40-44	4,22 7,77
17	-1,25061	-1,25061	0,03043	1,87447	45-49	0,13 1,41
18	-1,04479	-1,04479	0,05826	2,78367	Total	100,00 100,00
19	-0,85927	-0,85927	0,09428	3,60225		
20	-0,69130	-0,69130	0,13584	4,15510		
21	-0,53325	-0,53325	0,18187	4,60343		
22	-0,38524	-0,38524	0,22993	4,80630		
23	-0,24423	-0,24423	0,27897	4,90406		
24	-0,10783	-0,10783	0,32829	4,93162		
25	0,02564	0,02564	0,37731	4,90210		
26	0,15853	0,15853	0,42597	4,86545		
27	0,29147	0,29147	0,47371	4,77426		
28	0,42515	0,42515	0,52013	4,64246		
29	0,56101	0,56101	0,56517	4,50354		
30	0,70000	0,70000	0,60861	4,34374		
31	0,84272	0,84272	0,65016	4,15540		
32	0,99014	0,99014	0,68968	3,95227		
33	1,14407	1,14407	0,72722	3,75425		
34	1,30627	1,30627	0,76275	3,55229		
35	1,47872	1,47872	0,79618	3,34332		
36	1,66426	1,66426	0,82751	3,13322		
37	1,86597	1,86597	0,85663	2,91199		
38	2,08894	2,08894	0,88354	2,69076		
39	2,33992	2,33992	0,90816	2,46191		
40	2,62602	2,62602	0,93019	2,20311		
41	2,95500	2,95500	0,94925	1,90637		
42	3,32873	3,32873	0,96480	1,55418		
43	3,75984	3,75984	0,97698	1,21856		
44	4,25499	4,25499	0,98591	0,89254		
45	4,80970	4,80970	0,99188	0,59758		
46	5,41311	5,41311	0,99555	0,36693		
47	6,12864	6,12864	0,99782	0,22707		
48	7,07022	7,07022	0,99915	0,13275		
49	8,64839	8,64839	0,99982	0,06743		
50			1,00000	0,01754		
Total				100,00000		

8	9	10
West 25	Australia 1	Australia 1995-97
Males	Males	Males
e(0)=76.647	e(0)=74.32	e(0)=75.69
100000	100000	100000
99289	99186	99390
99277	99123	99331
99263	99077	99292
99247	99043	99261
99231	99018	99237
99171	98924	99158
99114	98820	99062
98985	98415	98671
98810	97781	98070
98648	97147	97448
98468	96499	96787
98217	95761	96036
97775	94790	95112
96857	93319	93817
95106	90898	91765
91738	86848	88382
86155	80354	82826
77124	70765	74132
63564	57652	61863
45636	41224	46023
26364	24073	27951
10640	10572	12523
2373	3175	3981
199	618	994

West 25	Australia 1	Australia 1995-97
Females	Females	Females
e(0)=80	e(0)=80.39	e(0)=81.37
100000	100000	100000
99555	99366	99498
99545	99313	99454
99536	99277	99428
99529	99253	99406
99522	99233	99388
99499	99163	99323
99478	99090	99246
99440	98918	99090
99384	98703	98899
99306	98472	98695
99198	98203	98421
99022	97842	98059
98697	97283	97542

Percentages		
Rectangular	Bimodal	Unimodal
West e70		
6,9	12,0	5,7
6,9	9,0	5,4
6,8	4,4	5,3
6,8	4,4	10,4
6,8	8,5	25,4
6,7	16,5	9,9
6,7	15,9	7,1
6,6	7,6	4,6
6,5	3,6	4,4
6,4	3,5	4,2
6,2	3,2	3,9
5,9	3,0	3,6
5,6	2,6	3,2
5,0	2,2	2,6
4,2	1,7	2,0
3,1	1,1	1,3
3,0	0,8	1,0
100,0	100,0	100,0

User Defined	Triangular	Rectangular	Bimodal	Unimodal
5,2	4,3	3,4	6,0	2,9
4,3	4,0	3,4	4,5	2,7
3,3	4,0	3,4	2,2	2,7
3,5	3,9	3,4	2,2	5,2
5,5	3,8	3,4	4,2	12,7
8,8	3,7	3,4	8,2	4,9
7,2	3,5	3,3	7,9	3,6
4,5	3,4	3,3	3,8	2,3
2,6	3,3	3,3	1,8	2,2
1,4	3,1	3,2	1,7	2,1
1,1	2,9	3,1	1,6	1,9
1,0	2,7	3,0	1,5	1,8
0,9	2,4	2,8	1,3	1,6
0,6	2,0	2,5	1,1	1,3
0,4	1,5	2,1	0,8	1,0
0,2	1,0	1,5	0,5	0,7
0,2	0,7	1,5	0,4	0,5
50,7	50,0	50,0	50,0	50,0

New Zealand	Pakistan	South Africa	United Kingdom	United States of America
2000	2000	2000	2000	2000
142	11 427	2 608	1 804	10 265
155	10 076	2 391	1 978	10 716
148	8 909	2 393	1 994	10 509
139	7 644	2 338	1 893	10 125
126	6 295	2 109	1 789	9 446
128	5 101	1 887	2 051	9 524
133	4 348	1 705	2 370	10 369
149	3 947	1 442	2 436	11 694
142	3 561	1 193	2 089	11 611
127	3 039	988	1 887	10 217
118	2 347	728	2 026	8 788
91	1 848	554	1 616	6 703
72	1 489	401	1 417	5 236
62	1 107	281	1 239	4 431
56	744	171	1 059	3 928
40	419	84	828	3 060
21	210	36	450	1 835
14	115	14	328	1 276
1 862	72 627	21 323	29 255	#####

135	10 783	2 569	1 719	9 777
146	9 459	2 376	1 884	10 216
142	8 367	2 398	1 894	10 025
131	7 197	2 355	1 798	9 661
120	6 020	2 122	1 694	9 111
132	5 024	1 892	1 956	9 336
146	4 283	1 727	2 281	10 205
159	3 711	1 443	2 358	11 447
147	3 184	1 187	2 065	11 455
129	2 654	988	1 888	10 276
117	2 107	799	2 041	8 996
91	1 781	656	1 648	7 023
75	1 460	516	1 480	5 669
65	1 099	388	1 356	5 060
62	801	265	1 287	4 884
53	421	168	1 178	4 290
37	197	92	797	3 065
34	90	47	923	3 449

1 919	68 636	21 988	30 246	#####
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2,50

Dialog1

Change Age Distribution of Fertility

Alpha		Beta		Standard
-1,00	▲	0,10	▲	<input checked="" type="radio"/> High Fertility
-0,90		0,20		<input type="radio"/> Low Fertility
-0,80		0,30		
-0,70		0,40		
-0,60	▼	0,50	▼	

OK

Alpha: location of peak (Standard = 0)
Beta: spread of values (Standard =1)

Dialog2

Set Total Fertility Rates

Year 0	Year 50	Year 100
1,0 ▲	1,0 ▲	1,0 ▲
1,1	1,1	1,1
1,2	1,2	1,2
1,3	1,3	1,3
1,4 ▼	1,4 ▼	1,4 ▼

OK

Dialog3

Male Mortality

Alpha (level of mortality)

Year 0	Intermediate Year	Year 100
1,00 ▲	1,00 ▲	1,00 ▲
0,98 ▲	0,98 ▲	0,98 ▲
0,96 ▲	0,96 ▲	0,96 ▲
0,94 ▲	0,94 ▲	0,94 ▲
0,92 ▼	0,92 ▼	0,92 ▼

OK

50 ▼

Intermediate year for plotting curve

Beta (age pattern of mortality)

0,50 ▲	0,50 ▲	0,50 ▲
0,52 ▲	0,52 ▲	0,52 ▲
0,54 ▲	0,54 ▲	0,54 ▲
0,56 ▲	0,56 ▲	0,56 ▲
0,58 ▼	0,58 ▼	0,58 ▼

Dialog4

Female Mortality

Alpha (level of mortality)

Year 0	Intermediate Year	Year 100
1,00 ▲	1,00 ▲	1,00 ▲
0,98	0,98	0,98
0,96	0,96	0,96
0,94	0,94	0,94
0,92 ▼	0,92 ▼	0,92 ▼

OK

Beta (age pattern of mortality)

0,50 ▲	0,50 ▲	0,50 ▲
0,52	0,52	0,52
0,54	0,54	0,54
0,56	0,56	0,56
0,58 ▼	0,58 ▼	0,58 ▼

Dialog5

Select Annual Volume of Net Migration

Year 0	Year 50	Year 100	OK
1 000 ▲	1 000 ▲	1 000 ▲	
5 000	5 000	5 000	
10 000	10 000	10 000	
50 000	50 000	50 000	
100 000	100 000	100 000	
150 000	150 000	150 000	
200 000 ▼	200 000 ▼	200 000 ▼	