

War—Cont'd

- Attacks, retaliation
- Bombers, 2: 22-3
- Counter-force theory, 3: 7-10
- Criteria, overkill capability, 2: 22-3, 26-7; 4: 36; 7: 16-7
- Launch on warning, 2: 23, 26; 3: 10
- Post-attack assessment capability, 3: 11-2
- Time, decision, responsibility, 5: 21; 6: 19, 21
- Catalytic, risks, 3: 11
- Coercive diplomatic options, 3: 8, 29
- Command and control, survivability, 3: 11
- Conventional
 - Europe, possibility, reasons, results, 1: 24-6; 2: 32-4; 6: 11-3; 7: 36-7
 - Missile with conventional warhead, results, 2: 33-4
 - North America, possibility, results, 1: 25-6; 2: 32-4; 6: 11-3
 - Start, consequences, 7: 13
- Counter-force exchange, absolute barriers, 3: 30
- Deterrence, possibility to strike back, effectiveness, 1: 21-5; 2: 8, 19, 25-6; 3: 7-9, 36; 4: 36; 5: 16-7; 6: 6, 11-2, 20, 23; 7: 9-11, 13, 15-7, 24-5, 30, 35-7
- Geographical location, importance, risks, 2: 7-8
- Limited strategic exchanges, effects, 3: 30
- Nuclear
 - Basic scenarios, 7: 18
 - Communication systems, elimination, consequences, 4: 36-7
 - Possibility, consequences, 3: 33-6; 4: 36
 - Victims, number, estimates, 3: 22, 32-3
- Risk-reduction centres, role, location, 3: 10-1, 35
- Space, domination, prospects, 3: 12
- Strategic situation, changes, results, 2: 7-9
- Strike and counterstrike, strategy, belief, 3: 21-2
- Western Europe, invasion, risks, 3: 15-8; 7: 36-7

Warning and surveillance systems

- Alaska, equipment, usefulness, 2: 25
- Alerts, decisions, responsibility, procedure, 5: 21; 6: 19, 21; 9: 8-9
- Baker-Nunn camera installations, 2: 13, 16-7
- Ballistic missile early warning system radars, upgrading, 2: 14
- Existing systems, obsolescence, deficiency, 3: 23, 28-30; 4: 24-5; 5: 17; 7: 25-8; 9: 18
- Ground-based electrical optical detection systems, 2: 16-7
- Laser technology, use, development, 4: 35-6
- Lockheed P3 — Airborne Early Warning and Control, 1: 21-2
- Missiles, detection, problems, 2: 11-6; 5: 20-1
- Needs, role, choices, 1: 19-21, 29; 2: 8-9, 12, 15-6, 20-5; 3: 27-30; 6: 19-21; 7: 11, 24-6
- Northern warning system (NWS), 3: 27-8; 4: 24
- Nuclear submarines, detection, 2: 27
- Operation, responsibility, 5: 10-1
- Personnel, military and civilian, 5: 18, 21
- Possibilities, options, technology, 1: 18-9, 28-9, 36; 2: 8-9, 12-4; 3: 24
- Public, attitude, changes, 4: 24
- Radars
 - Active radar in a satellite, effectiveness, 2: 11; 4: 25
 - Coastal, 2: 14; 4: 24
 - Fixed-site, effectiveness, 3: 27-8
 - Ground-based, location, reliability, 1: 36; 2: 10, 21-2; 5: 9-10; 9: 7
 - Joint Surveillance System, United States, 9: 19, 25-6
 - Over-the-horizon, capability, reliability, 2: 10-1, 21-2; 7: 32
 - Over-the-horizon backsetter system, 1: 31; 2: 21-2; 3: 24; 5: 9; 6: 18-9, 21; 46: 10
 - Transport Department, system, use, 9: 8-9
- Renewal, need, interim period, 2: 9-10; 3: 23-4, 27-8; 5: 16-7; 6: 18-9; 7: 23-7, 32; 9: 13

Systèmes d'alerte et de surveillance—Suite

- Installations de caméras Baker-Nunn, 2: 13, 16-7
 - Installations terrestres de surveillance électro-optique, 2: 16-7
 - Laser, technologie, utilisation, perfectionnement, 4: 35-6
 - Lockheed P3 — alerte lointaine et contrôle avancé par moyens aéroportés, 1: 21-2
 - Missiles, détection, problèmes, 2: 11-6; 5: 20-1
 - Personnel, militaire et civil, 5: 18, 21
 - Possibilités, options, technologie, 1: 18-9, 28-9, 36; 2: 8-9, 12-4; 3: 24
 - Public, attitude, changements, 4: 24
 - Radars
 - Actifs sur satellite, efficacité, 2: 11; 4: 25
 - Côtiers, 2: 14; 4: 24-5
 - Fixes, efficacité, 3: 27-8
 - Ministère des Transports, système, utilisation, 9: 8-9
 - Système de surveillance conjoint, États-Unis, 9: 19, 25-6
 - Systèmes transhorizon Backsetter, 1: 31; 2: 21-2; 3: 24; 5: 9; 6: 18-9, 21; 46: 10
 - Terrestres, localisation, efficacité, 1: 36; 2: 10, 21-2; 5: 9-10; 9: 7
 - Transhorizon, capacité, fiabilité, 2: 10-1, 21-2; 7: 32
 - Renouvellement, besoin, période de transition, 2: 9-10; 3: 23-4, 27-8; 5: 16-7; 6: 18-9; 7: 23-7, 32; 9: 13
 - Réseau de détection lointaine des engins balistiques, améliorations, 2: 14
 - Saturation, danger, 1: 19
 - Sous-marins nucléaires, détection, 2: 27
 - Système actuel, obsolescence, déficiences, 3: 23, 28-30; 4: 24-5; 5: 17; 7: 25-8; 9: 18
 - Système d'avertissement dans le Nord (NWS), 3: 27-8; 4: 24
 - Systèmes de surveillance spatiaux
 - Besoins futurs, solution, 4: 25; 6: 20-1
 - Communications, 4: 26-8, 31; 7: 19
 - Déploiement, collaboration, prévisions, 4: 25, 31; 5: 21-2; 6: 20, 23-7; 7: 14-5, 19-20, 27; 8: 8-9
 - Détecteur à rayons infra-rouges, 2: 10-1; 4: 25
 - Détecteurs, usage, 1: 15, 18; 3: 24
 - Disponibilité, prévisions, 4: 31, 37; 6: 20-1
 - Stations spatiales de radar, 4: 25-6
 - Teal Ruby, 3: 24; 4: 25
 - Voir aussi*
 - Défense anti-aérienne
 - Pinetree, ligne
 - Réseau avancé de préalerte
 - Satellites
- Tate, M. William C., vice-président et directeur général, Garrett Manufacturing Ltd.**
Industrie aérospatiale, 4: 18, 22
- Terre-Neuve**
Déploiement des forces armées, 46: 23-4
- Thériault, Gén. Gérard C.E., CMM, CD, chef de l'état-major de la Défense, ministère de la Défense nationale**
Commandement aérien
Discussion, 46: 11-30
Exposé, 46: 5-10
Note biographique, 46: 5
- Thorneycroft, Lgén. K.J. (retraité), directeur, Groupe consultatif de la Force aérienne, représentant le Comité des affaires de l'armée et de l'aviation de l'ARC**
Défense anti-aérienne
Discussion, 6: 21-7
Exposé, 6: 18-9
Note biographique, 6: 17